CONSTRUCTION NEWS

Suppl nt to ENGINEERING NEWS. New York, June 8, 1905.

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CONSTRUCTION NEWS.

PLANS AND SPECIFICATIONS ON FILE.

The following Plans (P.), Specifications (S), and Bidding Sheets (B. S.) may be seen at the office of The Engineering News Publishing Co., 220 Broadway, New York:

Bids close	Work.	Place.	On file.	See issue.
June				
10	Court-house	Plaquemine, La	P & S	5- 4
12	Pipe, well	Whittier, Cal	S	5-18
•12	Electric power	Winnipeg, Man	B. S	5-18
•12	Terrace wall	Holyoke, Mass	P. & S	5-25
•15	Pacing, brick	Corning, N. Y	S	5-25
•15	Irrigation work	Hazen, Nev	S	5- 4
•15	Pathfinder dam	Denver, Colo	P & S	5- 4
•15	Irrigation canals	Boise, Idaho	P & S	4-27
•15	Telephone line	Boise, Idaho	S	4-27
•15	Crib removal	Cleveland, O.	S	6- 8
•20	Sewer	Waterbury, Conn	P & S	6- 8
•28	Irrigation canals	Billings, Mont.	P & S	5- 4
•30	Pumping machinery, etc.	Toledo, O.	S	6- 1
July				
•1	Municipal building	Washington, D. C.	S	6- 1
Aug.				
26	Coaling plant	Philippines	S	5- 4
Sept.				
1	Steel manufacture	New S. Wales	S	3-23

•Work advertised in Engineering News.

LIST OF CONTRACTS PENDING.

Bids close. Work. Place. See issue.

LIGHT, HEAT AND POWER PLANTS.

June 8. Gas supply, Newport, Ky. .... Apr. 27
June 8. Lighting, Wilmington, N. C. .... May 25
June 10. Heating, power plant, etc., Wash., D. C. .. May 25
Advertised, Eng. News, May 25 and June 1.
June 12. Electric power, Winnipeg, Man. .... May 18
Advertised, Eng. News, May 18 and 25.
June 14. Lighting plant, Kearney, N. J. .... June 1
Advertised, Eng. News, June 1-8.
June 15. Power plant, Middleburg, Pa. .... May 25
June 16. Generating set, Grand Haven, Mich. .... June 1
June 19. Lighting, Boston, Mass. .... June 8
June 19. Electric light plant, Youngstown, O. .... June 8
Advertised, Eng. News, June 8-15.
June 22. Electric light plant, Alma, Neb. .... June 1

BRIDGES.

June 9. Trestle, Tacoma, Wash. .... June 1
June 10. Bridges, etc., Cleveland, O. .... June 1
June 10. Bridges, Rockville, Ind. .... May 25
June 10. Bridge, Salem, Mass. .... June 8
June 10. Bridges, Richmond, Ind. .... June 8
June 12. Bridges, steel, Ft. Worth, Tex. .... June 8
June 13. Raising grade, Cleveland, O. .... June 8
June 13. Bridge, Harrisburg, Pa. .... June 8
June 13. Bridge, Miniota, Man. .... May 25
June 13. Bridges, Napa, Cal. .... May 25
June 15. Steel trestle, Louisville, Ky. .... May 25
June 15. Bridge, Cartersville, Ga. .... May 25
June 15. Truss bridge, Ainsworth, Neb. .... May 25
June 15. Bridge, Elmira, N. Y. .... June 1
Advertised, Eng. News, June 1 and 8.
June 15. Bridges, Washington, D. C. .... June 8
Advertised, Eng. News, June 8.
June 15. Culverts, Indianapolis, Ind. .... June 8
June 15. Truss bridge, Charleston, W. Va. .... June 8
Advertised, Eng. News, June 8.
June 16. Bridge, Nevada City, Cal. .... June 8
June 17. Bridge, etc., Chesley, Ont. .... May 18
June 20. Bridge, Cadillac, Mich. .... May 18
Advertised, Eng. News, May 18 to June 8.
June 20. Bridge, O'Neill, Neb. .... June 1
June 20. Bridges, Fargo, N. Dak. .... June 8

BUILDINGS.

June 8. Post-office, Amesbury, Mass. .... May 11
June 8. Library, Union, N. J. .... May 18
June 8. Buildings, Ft. Totten, N. Y. .... May 18
Advertised, Eng. News, May 18 to June 8.
June 8. Blacksmith shop (Mfg. Plants), Ft. Riley, Kan. .... May 25
June 9. Pumping machinery, Newport News, Va. .. May 25
June 9. Heating plant, Ft. Scott, Kan. .... June 1
June 10. Officers' quarters, Ft. Wadsworth, N. Y. .. June 1
June 10. Court-house, Plaquemine, La. .... May 4
Advertised, Eng. News, May 4.
June 10. Factory (mfg. plants), Baltimore, Md. .... June 8
June 10. Building, Amherst, Mass. .... June 8
June 12. Alterations to schools, New York, N. Y. .. June 8
June 12. Brick plant (mfg. plants), Detroit, Mich. June 8
June 12. Building materials, Carlisle, Pa. .... June 8
June 12. Capitol plans, Boise, Idaho .... Apr. 13
June 12. School, Cincinnati, O. .... June 1
June 12. School and library, Ann Arbor, Mich. .... June 1
June 13. Doors and screens, Ft. Totten, N. Y. .... June 1
Advertised, Eng. News, June 1 and 8.
June 13. Heating, etc., Indianapolis, Ind. .... June 1
June 14. Heating, etc., Washington, D. C. .... June 1
Advertised, Eng. News, June 1 to 22.
June 14. Electric elevator, Savannah, Ga. .... June 1
June 14. Building, Philadelphia, Pa. .... May 18
Advertised, Eng. News, May 18 and 25.
June 11. Building materials, Wes Point, N. Y. .... May 18
Advertised, Eng. News, May 18 to June 15.
June 14. Buildings, Lawrence, Ind. .... May 25
June 15. Buildings, Ft. Wright, Wash. .... May 25
Advertised, Eng. News, May 25 to June 15.
June 15. Synagogue, Houston, Tex. .... May 18
June 15. Court-house plans, New Orleans, La. .... Feb. 23
June 15. Barracks, Oswego, N. Y. .... June 1
Advertised, Eng. News, June 1 and 8.
June 15. Court-house plans, New Orleans, La. .... June 1
June 15. School, Johnsburg, Minn. .... June 8
June 15. Dormitory, Elkton, Ky. .... June 8
June 15. Buildings, Sheridan, Wyo. .... June 8
June 15. Factory (mfg. pl'ts), Grand Rapids, Mich. June 8
June 16. Buildings, Oswego, N. Y. .... June 8
Advertised, Eng. News, June 8.
June 16. Ordnance barracks, Ft. Hancock, N. J. .. June 1
June 17. Buildings, Ft. Lincoln, N. Dak. .... June 8
June 19. City-hall, Fresno, Cal. .... June 8
June 19. Post-office, Atlantic, Ia. .... May 18
June 19. Dwelling, Baltimore, Md. .... May 25
Advertised, Eng. News, May 25.
June 20. Post-office, Colorado Springs, Colo. .... May 18
June 20. Officers' quarters, Ft. Monroe, Va. .... June 1
Avertised, Eng. News, June 1 to 29.
June 21. Post-office, Winston, N. C. .... May 18
Advertised, Eng. News, May 18 and 25.
June 22. Building, New York, N. Y. .... June 1
June 22. School, Jersey City, N. J. .... June 8
June 23. Post-office, Vancouver, B. C. .... June 8

WATER SUPPLY AND IRRIGATION.

June 8. Reservoir, Soldiers' Home, Cal. .... May 25
June 8. Irrigation system, Riverside, Cal. .... May 25
June 8. Water pipe, etc., Newark, N. J. .... June 1
Advertised, Eng. News, June 1.
June 9. Pumping machinery, Washington, D. C. .. June 1
June 10. Conduit, Dallas, Tex. .... June 1
June 10. Irrigation canal, Montpelier, Idaho .... May 25
Advertised, Eng. News, May 25.
June 12. Water-works, Whittier, Cal. .... May 18
June 12. Intake pipe, Oshawa, Ont. .... June 1
June 13. Pipe laying, Cincinnati, O. .... May 18
Advertised, Eng. News, May 18 to June 8.
June 13. Laying mains, Deer River, Minn. .... June 8
June 13. Well, Fort De Soto, Fla. .... June 8
June 13. Pipe, castings, etc., Camden, N. J. .... June 8
June 14. Pipe laying, etc., New York, N. Y. .... June 8
June 14. Tank and trestle, Fort Sill, Okla. .... June 8
June 14. Deep well, Fort Caswell, N. C. .... May 25
June 15. Purification plant, Columbus, O. .... May 18
Advertised, Eng. News, May 18 to June 15.
June 15. Irrigation dam, Denver, Colo. .... May 4
Advertised, Eng. News, May 4 to June 1.
June 15. Irrigation work, bridge, Hazen, Nev. .... May 4
Advertised, Eng. News, May 4 to June 1.
June 15. Irrigation canals, Boise, Idaho .... Apr. 27
Advertised, Eng. News, Apr. 27 to June 8.
June 15. Tubular well, Fort McPherson, Ga. .... June 1
June 15. Pipe laying, Oswego, N. Y. .... June 1
Advertised Eng. News, June 1 and 8.
June 15. Distilling apparatus, Delaware City, Del. June 8
June 15. Distilling apparatus, New London, Conn. .. June 8
June 15. Water-works, Kimball, S. Dak. .... June 8
June 15. Water mains, New York, N. Y. .... June 8
June 15. Water system, New London, Conn. .... June 8
June 19. Pipe, specials, Winnipeg, Man. .... June 8
Advertised, Eng. News, June 8 and 15.
June 19. Pipe, hydrants, etc., Wheaton, Minn. .... June 8
June 19. Tank, mains, Lamberton, Minn. .... June 8
June 20. Pumping engines, Chicago, Ill. .... May 25
Advertised, Eng. News, May 25 to June 22.
June 22. Water-works, Alma, Neb. .... May 25
June 22. Water and light plant, Cookeville, Tenn. June 8
Advertised, Eng. News, June 8.
June 22. Water-works, Manistique, Mich. .... June 8

SEWERAGE.

June 9. Sewers, Meridian, Miss. .... May 25
June 9. Drain pipe, Cincinnati, O. .... May 18
June 10. Sanitary sewers, Xenia, O. .... June 1
June 10. Sewer pipe, Washington, D. C. .... June 1
June 12. Sewers, Cambridge, O. .... May 25
June 12. Storm sewer, New Castle, Pa. .... June 8
June 12. Sewers, Indianapolis, Ind. .... June 8
June 12. Sewers, Long Island City, N. Y. .... June 8
June 12. Sewer, brick, Laporte, Ind. .... June 8
June 13. Sanitary sewer, Milton, Pa. .... May 25
June 14. Sewer system, Ft. Sam Houston, Tex. .. June 8
June 15. Sewer, Indiana, Pa. .... June 8
Advertised, Eng. News, June 8.
June 15. Sewerage, East Syracuse, N. Y. .... June 8
Advertised, Eng. News, June 8.
June 15. Sewer, Ft. McPherson, Ga. .... June 8
June 15. Sewer, Cincinnati, O. .... May 25
June 15. Sewers, Emporia, Va. .... June 1
June 16. Sewers, Bronxville, N. Y. .... June 8
Advertised, Eng. News, June 8 and 15.
June 16. Sewer system, Vinton, Ia. .... June 8
June 16. Sewer, Le Sueur, Minn. .... June 8
June 17. Sewerage system, University Place, Neb. June 8
June 17. Sewers, Oconto, Wis. .... May 25
June 20. Sewer, Waterbury, Conn. .... May 25
Advertised, Eng. News, May 25 to June 15.
June 21. Sewers, etc., Greensburg, Ind. .... June 1
June 22. Sewers, Manistique, Mich. .... June 8
June 22. Sewers, Janesville, Wis. .... June 1
June 22. Sewer, Galveston, Tex. .... June 1
Advertised, Eng. News, June 1.

STREETS AND ROADS.

June 8. Paving, brick, Cincinnati, O. .... May 25
June 10. Asphalt blocks, etc., Washington, D. C. .. May 25
Advertised, Eng. News, May 25 and June 1.
June 10. Cement sidewalks, Wyoming, O. .... May 25
June 10. Road, gravel, Bloomfield, Ind. .... June 1
June 10. Road, Cleveland, O. .... June 1
June 10. Roads and walks, Burlington, Vt. .... June 8
June 10. Gravel road, Eagle, Ill. .... June 8
June 12. Grading, Youngstown, O. .... June 8
June 12. Paving, Frederick, Md. .... June 8
June 12. Macadamizing, etc., Ft. Howard, Md. .... June 8
June 12. Paving, etc., Long Island City, N. Y. .... June 8
June 12. Cement sidewalks, Indianapolis, Ind. .... June 8
June 12. Paving, Houghton, Mich. .... May 25
June 12. Paving, Cincinnati, O. .... May 25
June 13. Paving, brick, Painesville, O. .... June 1
June 14. Paving, etc., Hoboken, N. J. .... June 1
June 14. Road, Freehold, N. J. .... June 1
Advertised, Eng. News, May 25 to June 15.
June 14. Paving, etc., Brooklyn, N. Y. .... June 1
June 14. Paving, etc., Boston, Mass. .... June 1
June 14. Road, stone, Freehold, N. J. .... June 1
Advertised, Eng. News, May 25 to June 15.
June 14. Paving, Cincinnati, O. .... June 8
June 14. Paving, etc., Baraboo, Wis. .... June 8
June 15. Grading, Washington, D. C. .... June 8
June 15. Sidewalks, Ft. D. A. Russell, Wyo. .... June 8
June 15. Paving, etc., Bellevue, Pa. .... June 8
June 15. Paving, vitrified brick, Des Moines, Ia. .. June 8
June 15. Paving, asphalt, Cincinnati, O. .... May 25
June 15. Paving, brick, Corning, N. Y. .... May 25
Advertised, Eng. News, May 25 and June 1.
June 15. Paving, bitulithic, Cincinnati, O. .... May 25
June 16. Road, Cincinnati, O. .... May 25
June 16. Asphalt plant, New Orleans, La. .... May 11
Advertised, Eng. News, May 11 to June 22.
June 16. Grading, Lisbon, O. .... June 1
June 16. Jail, Tawson, Md. .... June 1
Advertised, Eng. News, June 1 to 22.
June 16. Sidewalks, Terrace Park, O. .... June 1
June 17. Macadamizing, etc., La Crosse, Wis. .... June 1
June 17. Sidewalks, cement, Grand Junction, Colo. .. June 8
June 19. Paving, brick, Marinette, Wis. .... June 8
June 19. Macadamizing, Morristown, N. J. .... June 1
June 19. Asphalt plant, New Orleans, La. .... May 18
June 20. Roads, Napoleon, O. .... June 8
June 21. Paving, Central City, W. Va. .... June 8

MISCELLANEOUS CONTRACTS.

June 8. Drainage ditch, Rapillion, Neb. .... June 1
June 8. Jetty work, Cleveland, O. .... May 11
Advertised, Eng. News, May 11 to June 15.
June 8. Protection dikes, Savannah, Ga. .... May 11
Advertised, Eng. News, May 11 to June 15.
June 8. Boiler, Fennimore, Wis. .... May 25
June 9. Wharf extension, New Carlisle, Que. .... May 25
June 9. Pier work, New York, N. Y. .... June 8
June 10. Dredging, Wilmington, Del. .... May 18
Advertised, Eng. News, May 18 to June 15.
June 10. Cement, Little Rock, Ark. .... May 18
June 10. Iron work, Little Rock, Ark. .... May 18
June 10. Traveling crane, Norfolk, Va. .... May 18
June 10. Wall lockers, Washington, D. C. .... June 1
Advertised, Eng. News, June 1 and 8.
June 12. Leather belting, etc., Washington, D. C. June 1
Advertised, Eng. News, June 1 and 8.
June 12. Dredging, Boston, Mass. .... May 18
Advertised, Eng. News, May 18 to June 15.
June 12. Dredging, Geneseo, Ill. .... May 11
Advertised, Eng. News, May 11 to June 1.
June 12. Terrace wall, Holyoke, Mass. .... May 25
Advertised, Eng. News, May 25 and June 1.
June 12. Brick conduit, Middletown, N. Y. .... June 8
June 13. Locomotives, cars, Washington, D. C. .... June 1
June 13. Wire cable, cement, etc., Wash., D. C. .. June 1
June 13. Concrete dam, Iowa City, Ia. .... June 1
Advertised, Eng. News, May 25 and June 1.
June 13. Ice Pier, Cincinnati, O. .... May 18
June 14. Rubblestone, Boston, Mass. .... May 18
Advertised, Eng. News, May 18 to June 15.
June 15. Sea wall, National Soldiers' Home, Va. .. June 1
June 15. Jetty work, New Orleans, La. .... June 1
Advertised, Eng. News, June 1 and 8.
June 15. Wreck Removal, Jacksonville, Fla. .... May 18
Advertised, Eng. News, May 18 to June 15.
June 15. Excavation work, Washington, D. C. .... May 18
Advertised, Eng. News, May 18 to June 15.
June 15. Steel trestles, etc., Louisville, Ky. .... May 18
Advertised, Eng. News, May 18 to June 15.
June 15. Telephone line, Boise, Idaho .... Apr. 27
Advertised, Eng. News, Apr. 27 to June 8.
June 15. Wharf, roadway, etc., Hawaii .... May 4
June 15. Dredging, Mobile, Ala. .... May 25
Advertised, Eng. News, May 25 to June 15.
June 15. Ditch work, St. Paul, Minn. .... June 8
June 15. Crib removal, Cleveland, O. .... June 8
Advertised, Eng. News, June 8.
June 15. Boilers, New York, N. Y. .... June 8
June 15. Gravel, New York, N. Y. .... June 8
June 16. Cement, piles, New York, N. Y. .... June 8
June 16. Dredging, Seattle, Wash. .... June 1
June 19. Dredging, Norfolk, Va. .... May 25
Advertised, Eng. News, May 25 and June 1.
June 19. Dredging, Wilmington, Del. .... May 25
Advertised, Eng. News, May 25 to June 22.
June 19. Breakwater, Cleveland, O. .... May 25
Advertised, Eng. News, May 25 to June 22.
June 19. Fire alarm system, Ukiah, Cal. .... June 8
June 19. Sea wall, Boston, Mass. .... June 8
June 20. Levee, Walnut Hill, Ark. .... June 8
June 20. Dredging, Detroit, Mich. .... May 25
Advertised, Eng. News, May 25 to June 22.
June 20. Dredging, Wilmington, Del. .... May 25
Advertised, Eng. News, May 25 to June 22.
June 20. Dredging, Baltimore, Md. .... May 25
Advertised, Eng. News, May 25 to June 22.
June 20. Searchlight outfits, Washington, D. C. .... May 18
Advertised, Eng. News, May 18 to June 15.
June 20. Breakwater, Cleveland, O. .... June 1
Advertised, Eng. News, June 1 to 22.
June 20. Machine tools, Washington, D. C. .... June 1
June 20. Lamps, planers, etc., Washington, D. C. .. June 1
June 20. Sea wall, Fort Mifflin, Pa. .... June 1
June 20. Rock work, Portland, Ore. .... June 1
June 20. Electric elevator, Washington, D. C. .... June 1
June 20. Stone, brush, poles, etc, Vicksburg, Miss. June 1
Advertised, Eng. News, June 1 to 22.
June 21. Miscellaneous articles, Tompkinsville, N.Y. May 25
Advertised, Eng. News, May 25 to June 22.
June 21. Dredging, Wilmington, Del. .... May 25
Advertised, Eng. News, May 25 to June 22.
June 21. Dredging, Baltimore, Md. .... May 25
Advertised, Eng. News, May 25 to June 22.
June 21. Levee work, West Memphis, Ark. .... May 25
June 22. Seawall, New York, N. Y. .... May 25
Advertised, Eng. News, May 25 to June 22.
June 22. Dredging plant, Detroit, Mich. .... May 25
Advertised, Eng. News, May 25 to June 22.
June 24. Freight elevator, Charleston, S. C. .... June 1
June 26. Dredging, Wilmington, Del. .... June 1
Advertised, Eng. News, June 1 to 29.
June 26. Dredging, Boston, Mass. .... June 1
Advertised, Eng. News, June 1 to 29.
June 26. Telephone system, Belle Fourche, S. Dak. June 1
Advertised, Eng. News, June 1 to 29.
June 26. Dredging, Charleston, S. C. .... June 1
Advertised, Eng. News, June 1 to 29.
June 26. Dike and riprap, Duluth, Minn. .... June 1
Advertised, Eng. News, June 1 to 29.
June 26. Drainage ditches, Webster City, Ia. .... June 8
June 27. Machine tools, Washington, D. C. .... June 8
June 27. Dredging, Duluth, Minn. .... June 1
Advertised, Eng. News, June 1 to 29.
June 28. Jetty work, Galveston, Tex. .... June 1
Advertised, Eng. News, June 1 to 29.
June 30. Dredging, Portland, Me. .... June 1
Advertised, Eng. News, June 1 to 29.
June 30. Dredging, Savannah, Ga. .... June 1
Advertised, Eng. News, June 1 to 29.
June 30. Tug boat, Washington, D. C. .... June 8
June 30. Portland cement, Cincinnati, O. .... June 8
July 1. Dredging, etc., Jacksonville, Fla. .... June 8
Advertised, Eng. News, June 8 to 29.

RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

ALBEMARLE & FARMVILLE.—Company is incorporated to build a railroad. Principal office, Charlottesville. T. O. Troy, Amherst, Va., is Pres.; S. S. Hopkins, Waynesboro, Va., is Secy. Capital, $25,000.

ATCHISON, TOPEKA & SANTA FE.—THOMAS CORRIGAN, of Pueblo, Colo., has been awarded contract for driving a tunnel through Raton Mountain in New Mexico. Estimated cost is $1,000,000.

BOYNE CITY, GAYLORD & ALPENA.—W. L. Martin, Secy., Boyne, Mich., informs us that company is building all but five miles of line to Gaylord. This section is being built by A. L. SEAGER & SON, of Gaylord, Mich. The line will be 100 miles long and will run from Boyne City, via Boyne Falls, Gaylord and Atlanta, to Alpena. W. H. White, of Boyne City, is Pres. and N. J. Tibbs, Ch. Engr., at Boyne City. Surveys are made and right-of-way secured to Gaylord. Noted on May 18.

BALTIMORE & OHIO.—General Manager George R. Cromwell, of the Staten Island Rapid Transit Ry., has announced that the B. & O. Co. will spend $2,000,000 in improving its property on Staten Island, New York, N. Y.

BUFFALO & SUSQUEHANNA.—Contract for grading the line from Juneau to Plumville, Pa., 20 miles, has been awarded to FRANK GRECO, of Galeton, Pa., it is reported, and the contract for the bridge masonry work has been given to JOHN C. BRADLEY, of Corning, N. Y. H. Herden, Galeton, Pa., is Ch. Engr. Noted on Feb. 3.

CANADIAN VALLEY & WESTERN.—Preparations are being made for the construction of this road from Lehigh to Chickasha, Ind. T., 130 miles. Dorset Carter, of Purcell, Ind. T., is Pres. THE CANADIAN VALLEY CONSTRUCTION CO. has general contract. Sub-contracts will be let in 20-mile sections.

CENTRAL OF GEORGIA.—The contract for building a branch from Henry Ellen, Ala., to the mines of the Tunnell Coal Co. has been awarded REDMOND & GABBETT.

CENTRAL R. R. OF N. J.—Company will build a new freight terminal at Third and Lincoln Aves. and Southern Boulevard, Bronx Borough, New York.

CHICAGO, BURLINGTON & QUINCY.—J. H. REYNOLDS, of St. Louis, Mo., has contract for building extension from Centralia to Herrin, Ill., 52 miles, it is reported.

CHICAGO & EASTERN ILLINOIS.—A special meeting of the stockholders has been called for July 11, at Chicago, to vote upon a proposition to authorize an issue of bonds to the amount of $55,000,000. It is proposed to use $35,000,000 of the new bonds to retire existing bonds, and the remaining $20,000,000 are to be used for construction, acquisitions and improvements, including additional equipment, and for other general purposes. J. F. Hinckley, St. Louis, Mo., is Ch. Engr.

CINCINNATI, FLEMINGSBURG & SOUTHERN.—Company has incorporated to build a line 17 miles long, connecting Johnson, Flemingsburg, Poplar Plains and Hillsboro, all in Fleming County. The incorporators are Attilla Cox, S. S. Bush, Florian Cox, William N. Cox, Attilla Cox, Jr., J. Dudley Winston and Menefee Wirgman, of Louisville, Ky. Capital, $125,000.

COLFAX NORTHERN.—F. H. Griggs, J. L. Parrish and F. B. Hooper, all of Des Moines, Ia., have bought in the stock of this company from the heirs of the late president, Thomas N. Hooper, and will extend the road from Valeria, Ia., the present terminal of the road. F. B. Hooper, Colfax, Ia., is Supt.

COLORADO & SOUTHERN.—The Denver, Colo., "Post" states that plans for building a line to the Pacific coast have been abandoned. It is announced that an 8-mile branch will be built at once on the Fort Collins branch. J. M. Herbert, Denver, is Gen. Mgr.

COLORADO, TEXAS & MEXICO.—Company has filed an amendment to its charter increasing its capital stock from $200,000 to $375,000. This is to provide for building the railway further than charter specified originally. The new extension will start at point on Red River in Wilbarger County, Tex., and extend through Hardeman, Wilbarger, Foard, Baylor, Knox, Haskell, Jones, Taylor, Runnells, Coleman, Concho, McCulloch, Mason, San Saba, Llano, Gillespie, Kerr and Kendall counties, to connect with the San Antonio & Aransas Pass Ry. at or near Comfort, approximately 400 miles. J. H. Paramoe, C. W. Merchant, C. S. Bass, R. G. Anderson, Fred. Cockrell and others are directors. Morris R. Locke, Abilene, Tex., is Pres. THE SAN SABA CONSTRUCTION CO., J. E. Gillespie, Pres., 41 Park Row, New York, has general contract. Mentioned on May 11.

COPPER RIVER & NORTHWESTERN.—This company has been organized at Seattle, Wash., to build a railroad from Valdez to the Copper River. John Rosane, Moritz Thomsen, D. H. Jarvis, J. D. Trenholme and Henry Bratnober are directors. Headquarters, Seattle, Wash. Henry Deyo, Ch. Engr., is now at work on the survey of the line.

CROSSETT RAILWAY.—Incorporated in Arkansas to build a logging road ten miles long in Ashley County. Capital stock, $25,000. Incorporators: E. W. Gates, C. W. Buckner, J. C. Crossett, of Crossett; C. W. Gates, of St. Louis, Mo., and E. S. Cress, of Davenport, Ia.

CAROLINA & VIRGINIA.—Application has been made in South Carolina for a charter for this railroad, which will be built from Charleston, S. C., to Monroe, N. C. Present capital is $40,000, which will be increased to $2,500,000. Sumter, S. C., is principal office. W. H. Ingram, N. O'Donnell and Marion Moise, of Sumter, and T. G. McLeod, of Bishopville, are named as incorporators.

CUMBERLAND RIVER & NASHVILLE.—S. Woodward, Pres., Knoxville, Tenn., announces that contracts will be let at once for building this road. The company proposes to build a road from Corbin, Ky., to the Tennessee line and later to Nashville. The distance from Corbin to the Tennessee line, along the route of the proposed road is 63 miles. Part of the line has been surveyed. The route is along the Cumberland River.

DELAWARE, LACKAWANNA & WESTERN.—A short extension from Cincinnatus to Norwich, N. Y., will be built. Lincoln Bush, Hoboken, N. J., is Ch. Engr.

ERIE.—An appropriation of $1,500,000 has been made for purchase of tools for the reequipment of company's repair shops and for building new roundhouses and turntables. It is said that distribution of funds will be made as follows: $146,000 at Hornellsville, N. Y.; $80,000 at Meadville, Pa.; $46,000 at Huntington, Ind.; $40,000 at Cleveland, O.; $34,000 at Galion, O.; $30,000 each at Dunmore, Pa., and Buffalo, N. Y.; $13,500 at Stroudsburg, Pa.; $11,670 at Port Jervis, N. Y.; $7,260 at Rochester, N. Y.; $6,500 at Bergen, N. J., and $5,500 each at Bradford, Pa., Salamanca, N. Y., Kent, O., Marion, O., and Hammond, Ind. E. F. Wilson 26 Exchange Pl., New York, is Purchasing Agent.

GREENVILLE & NEWNAN.—Company has been granted a charter and preparations for the construction of this line are being made from Greenville, in Meriwether County, to Newman, in Coweta County, a distance of about 30 miles. The capital stock will be $10,000. The incorporators are: J. F. Hanson and S. R. Jaques, of Macon; H. C. Cunningham, A. R. Lawton, H. W. Johnson, J. T. Johnson and H. M. Steele, all of Savannah. The principal office will be in Savannah. This line will be a dependent branch of the Central of Georgia Ry. It is, in effect, an extension of the Columbus & Greenville branch of the Central of Georgia Ry.

GALVESTON, HARRISBURG & SAN ANTONIO.—It is reported that company has accepted the recent merger act of the Texas legislature, which carries with it the extension of the San Antonio & Gulf Railroad from Stockdale to Cuero, about 47 miles. A. V. Kellogg, Houston, Tex., is Ch. Engr.

KENTUCKY SOUTHERN (Southern Ry.).—Amendment to company's incorporation has been filed, providing for the construction of an additional 55 miles of line, from a point near Little Rockcastle River to Tateville.

LONOKE, PINE BLUFF & SOUTHWESTERN.—Incorporated in Arkansas to build a railroad from Lonoke to Pine Bluff, about 45 miles. Incorporators: J. P. White, Guy Beaman, Louis Beaman, John P. Eagle, T. M. Fletcher and David Gates, of Lonoke; John A. Mitchell, of Little Rock, and M. J. Craig, of New York.

LOUISVILLE & NASHVILLE.—EDINGTON, GRIFFITHS & CO., Knoxville, Tenn., general contractors, have sublet 17-mile contract for reconstruction of Knoxville division, between Saxton and Corbin, Ky., to THE MONTEVILLE CONSTRUCTION CO., of Memphis.

Grades will be lowered and curves straightened between Guthrie, Ky., and Earlington, 53 miles.

MORGANFIELD & ATLANTA.—We are informed that surveys are nearly completed and that greater part of the right-of-way has been secured for this line. It will be 28 miles long and run from Morganfield, Ky., to Providence, Ky. Contracts will be let on June 24. Capital is secured. T. B. Young is Pres. and W. W. Olney, Ch. Engr., Morganfield, Ky.

McCABE R. R.—We are advised that surveys have been made for a 6-mile railroad from Huron, through McCabe, Ariz., to mines of the McCabe Co. Cecil G. Fennell, Prescott, Ariz., is Pres. Capital is being negotiated. Contracts are not let.

NEW ORLEANS GREAT NORTHERN.—Frank H. Goodyear, of Buffalo, N. Y., states that this road, which is now being built from Slidell, La., north through the valley of the Pearl River to Monticello, Miss., will be about 100 miles long. Company has no plans for further extension. C. W. Goodyear is vice-Pres.; Charles I. James is second vice-Pres.; N. G. Pearsall is Gen. Mgr., at Covington, La. Company connects with the New Orleans Northeastern at Slidell, and may connect with the Mississippi Central and the Illinois Central at Monticello. J. Frank Coleman, Hibernia Bank Bldg., New Orleans, is Ch. Engr. Noted last week under "Louisiana."

NEW YORK, NEW HAVEN & HARTFORD.—Board of Estimate and Apportionment, of New York, N. Y., has authorized closing of certain streets in the Bronx Borough to provide terminal facilities for this company.

NEW YORK, ONTARIO & WESTERN.—We are informed that I. M. LUDINGTON, of Rochester, N. Y., has contract for filling at Oxford, N. Y. He is now double-tracking portions of the company's line.

NORTHERN PACIFIC.—The executive committees of the Northern Pacific and Union Pacific R. R. companies have authorized that plans be prepared for joint construction of a new railroad into the Clearwater district of Washington and Idaho. A company probably will be incorporated to build the line. Estimated length of the railway is 300 miles. William Ashton, Salt Lake City, Utah, is Ch. Engr., Western division.

Contract for building first 15-mile section of the cut-off from Denhoff to Coal Harbor, N. Dak., 52 miles, has been awarded to DONALD GRANT, of Faribault, Minn.

ORANGE & NORTHWESTERN.—Contract was awarded to HAMMOND & KENEFICK, of Kansas City, Mo., for building 31-mile extension from Buna, Tex., to Newton.

PENNSYLVANIA R. R.—The construction of a railroad, 443 miles long, from the coal and iron districts of Pittsburg to New York, by way of Atglen and Trenton, is reported to be under consideration.

A large transfer yard may be located at Trenton, N. J.

The Pennsylvania Railroad Co. has awarded contract to the CARNEGIE STEEL CO. for eight miles of steel ties. The railroad has purchased ties to cover three miles of road.

Contracts have been awarded for improvements on the Pittsburg division as follows: CADWALLADER & ROBINSON, of Philadelphia, for building a second track on the Sewickley branch rom Younwood to Boyer Run Junction; this work will cost $60,000. DRAKE & STRATTON, of Philadelphia, were awarded the contract for building two miles of siding at Lilly, at a cost of $41,000. About $70,000 will be spent in erecting a power house and track troughs at Wilmore. Better facilities for watering the engines will be installed at Portage, Millwood, Grapeville, Homewood and Youngwood, at cost of about $60,000.

PACIFIC & IDAHO NORTHERN.—E. M. Heigho, Gen. Mgr., Weiser, Idaho, has announced that work will commence on the extension of this railway toward Thunder Mountain before next winter. It is planned to build 100 miles of line this season. George Pope, Whitehall Bldg., New York, is Secy.

PLANT CITY, ARCADIA & GULF.—We are informed that 15 miles of proposed 60-mile line are completed. Company is doing its construction work. F. A. Wheeler, Plant City, Fla., is Ch. Engr.; C. A. Root is Pres. Noted on April 27.

PINEY RIVER & LOUP CREEK.—CARPENTER & BOXLEY BROS. are said to have been awarded contract for proposed 12-mile railway from Big White Stick, near Beckley, W. Va., to Price Hill.

PUGET SOUND EASTERN.—A. E. Thompson, Secy., Seattle, Wash., states, according to a report, that this company, recently chartered, will build a railroad from Olympia to North Yaquima, Wash., 150 miles, passing through Centralia, Chehalis and several smaller towns. The line has been surveyed from Olympia to Forest, 40 miles, and is under survey from the latter point to Cowlitz Pass, 60 miles. It is expected to let contracts immediately for building the first ten miles east from Chehalis. N. W. Holmes, Seattle, is Pres.; C. W. Taylor is Treas. and Gen. Mgr., at Seattle.

RED BLUFF & FALL RIVER.—Incorporated in California by D. E. Miles, O. K. King, Charles W. King, C. H. Darrough, H. P. Slice and others of Red Bluff, Cal., and George R. Hawley, of Seattle, Wash. The line will pass through Manton and Shingletown and into timber lands.

SOUTHERN RAILWAY.—Bids are being received for building an extension, 2¼ miles long, from South Knoxville, Tenn., to the Ross marble quarries. W. B. Crenshaw is Resident Engineer, at Knoxville, Tenn.

SOMERSET RY.—Henry F. Hill, Ch. Engr., Augusta, Me., informs us that contract held by J. S. Kaulback & Co. for building 18 miles of railway has been transferred to A. R. McHENRY & CO., of Philadelphia. About 30 miles of work will be contracted for this season, but contract is not to be let to J. S. Kaulback & Co., as noted in item on June 1.

SPOKANE INTERNATIONAL.—We are informed that TWOHY BROS. and WINTERS, PARSONS & BOOMER have been awarded two of the largest contracts for building this railway. "Other contracts will be awarded as fast as the line of definite location is ready, which will be very soon." It is planned to have the line completed to the international boundary, from Spokane, Wash., by June, 1906. D. C. Corbin, Spokane, is Pres. Noted on April 6.

TENNESSEE CENTRAL.—The contract for building a spur from Obey City, Tenn., on the Wilder branch, to the coal mines of the Fentress Coal & Coke Co., five miles, has been awarded to W. J. OLIVER & CO., of Knoxville, Tenn. It is reported that the company is again considering the question of resuming work on the extension from Harriman to Knoxville, Tenn., about 32 miles. This was partly graded two or three years ago.

VIRGINIA & TRUCKEE.—E. B. Yerington, Carson City, Nev., Secy., has issued a call for a stockholders' meeting at Carson City on June 24, to arrange for the sale of the road to another corporation. It is reported that the Southern Pacific Co. is seeking control of the line. The road is now being extended into the Carson Valley to tap an agricultural country.

ELECTRIC RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

MERIDEN, CONN.—J. K. Punderford, of New Haven, Gen. Mgr. Consolidated Ry. Co., has announced that this company will build extension along Cook Ave. to Walnut Grove, if authority is granted by common council. W. P. Bristol, Meriden, is Supt.

ROCHESTER, N. Y.—The Rochester Ry. Co. has applied to council for permission to construct a double-track line in Park Ave. A hearing will be given on June 13. Thomas E. White is Cy. Clk.; J. W. Hicks is Supt.

MOTT HAVEN, N. Y.—Announcement is made that the New York Central & Hudson River R. R. Co. will immediately begin work of transforming its Harlem branch from Mott Haven to Wakefield into a 4-track electric system. It is proposed to make Wakefield the terminal of the electric road until the line from that station through Mount Vernon, Bronxville, Tuckahoe, Hartsdale, Scarsdale and White Plains has been prepared for the electric system. All the grade crossings in these towns will be abolished and the trains will run below the streets unless the plan is changed. New right-of-way from Mount Vernon to White Plains has been purchased so that company may lay two additional tracks alongside its present two-track road. At Mount Vernon and White Plains new stations will be built. Miles Bronson, White Plains, N. Y., is Division Supt.

CLINTON, N. Y.—Thomas F. McBride, of Clinton, is securing right-of-way for an electric railway between this village and Waterville. It would run through Franklin Springs to Millburn and Forge Hollow. The Oriskany Valley Electric Co., composed of G. I. Hovey, of Deansboro; W. C. McAdam, of Utica, and Thomas F. McBride, of Clinton, controls water power on Oriskany Creek, at Millburn. It will supply power necessary to operate the trolley line, it is reported.

ALLENTOWN, [illegible] The Allentown & Slatington St. Ry. [illegible] be sold by Frank Jacobs, Master in [illegible]ncery, under foreclosure proceeding[illegible] price is fixed at $275,000; minimum [illegible] check is $10,000. This line is leased [illegible] Lehigh Valley Traction Co., of which [illegible] Bates, Allentown, is Secy. and Treas.

NEWPORT NEW[illegible]—A company will be organized here [illegible] an electric railroad to Bethel and [illegible] to Yorktown, Va., with a spur down [illegible] River to Poquoson. L. P. Stearnes, J. [illegible]on, O. D. Batchellor, J. E. T. Hunt[illegible]ard J. Patton, A. L. Powell and W. [illegible]kins are interested in the plan.

WHEELING, W. V[illegible]—The Wheeling Traction Co. will spend [illegible] in rebuilding portions of its lines [illegible] the city. George O. Nagle is Gen. Mgr.

GEORGETOWN, S. [illegible]—Laurens Mouzon is interested in the incorporation of a company which will build an [illegible] railway in this section.

MEMPHIS, TENN.—[illegible] Memphis Street Ry. Extension Co. [illegible] refused a conditional franchise to [illegible] and operate lines on the New Raleigh ro[illegible]. Another franchise is offered with 30-day limit. Maj. E. E. Wright is Atty. for the company.

NEWARK, O.—Surveys are run, it is said, for the proposed line of the Newark, Martinsburg and Mt. Vernon Traction Co. W. R. Wemple, Engr., recently went over route for Eastern capitalists whom he represented. His report was favorable to construction of the line.

MIDDLEFIELD, O.—Fawcett & Joyce, contractors, of Youngstown, O., have been settled with for claims held against the Cleveland & Sharon Ry. Co. Construction, which has been suspended, will recommence at once. Within two years it is planned to have made connection between Youngstown and Cleveland. The EASTERN CONSTRUCTION CO., which had a contract to build the railway, has been reorganized by Francis B. Morgan and Charles Lendey, of Cleveland; C. H. Salmon, Jr., W. B. Mellor and Newton Jackson, of Philadelphia. Francis B. Morgan is Pres. and Gen. Mgr.; Newton Jackson, Vice-Pres.; Charles H. Salmon, Secy. The capital stock of the company is [illegible], to be raised by a bond issue for like amount. The bonds will be underwritten by E. C. Miller & Co. and Mellor & Co., of Philadelphia. The Fidelity Trust Co., of Philadelphia, will be trustee. The line is to be about 41 miles long; 16 miles of roadway are graded. At Middlefield, the western terminal, connection with the Ohio Traction Co. will be made.

ST. CLAIRSVILLE, O.—A committee was recently appointed, consisting of E. L. McMillen, John Patterson, John Pollock, John T. Troll and A. W. Kennon, to aid backers of the proposed railway between Uhrichsville and Wheeling via St. Clairsville.

TOLEDO, O.—THE FIDELITY CONSTRUCTION CO., of Detroit, Mich., of which George E. Fisher is Mgr., has been awarded the contract for construction of new electric line between Toledo and Ann Arbor, Mich., for the Toledo, Ann Arbor & Detroit Traction Co.

HUNTINGTON, IND.—THE AMERICAN ENGINEERING CO., of Indianapolis, Ind., a recently organized company, of which C. N. Wilson is Pres. and Gen. Mgr., and John A. Shafer is Supt. of Construction, has received the contract for the construction and equipment of the Huntington, Columbia City & Northwestern Traction line from Huntington to Goshen, Ind., and eventually to South Bend. Preliminary surveys are to be started by the engineering company at once, and it is expected to have grading under way before the end of the summer, according to the Indianapolis (Ind.) "News." Estimated cost, $1,500,000.

PORTLAND, IND.—City Council has granted the Springfield, Decatur & Fort Wayne Co. a 50-year franchise into that city. Application for right-of-way has been made in Bryant, Geneva and Berne.

HARTFORD CITY, IND.—Gus Condo and Col. W. B. Dodd, of Marion, promoters of the Marion, Hartford City & Union Traction line, have applied to council for right to build through this city. The route of company's proposed line is from Gas City to Hartford City.

ELGIN, ILL.—The Elgin-Belvidere electric railway, it is announced, will run through Belvidere, Garden Prairie, Camp Epworth, Marengo, Union, Huntley, Gilberts, Almora, Wing Park and Elgin. J. Joseph Wright is interested.

DES MOINES, IA.—A. E. Parks, of Chicago, has stated that negotiations are well progressed toward organizing a company to build a trolley line from Des Moines via Winterset, Maxburg and Spalding, to Creston.

KANSAS CITY, KAN.—It is reported that the Kansas City & Southwestern Electric Ry. Co. will not begin construction between Kansas City and Jefferson City, Mo., until the latter part of this year. Company is incorporated with $500,000 capital. P. H. Coney, of Topeka, is Gen. Mgr.

KANSAS CITY, KAN.—Clarence S. McClellan, 6 East First St., Mt. Vernon, N. Y., has purchased the Kansas City-Leavenworth R. R. Extensions and improvements will be undertaken. H. Fliege, Leavenworth, Kan., is Ch. Engr. C. F. Hutchings, of Kansas City, is representative of Mr. McClellan.

SIOUX FALLS, S. DAK.—C. M. Harrison, of Redfield, and associates, have applied for an electric street railway franchise. If authority is granted it is planned to commence work by July 1 and to have not less than five miles of line in operation by July 1, 1906. A. B. Melvin and John F. Noie, of Chicago, are interested.

MARSHALL, MO.—The Missouri Central Electric R. R. Co. is actively securing remaining right-of-way in St. Charles, Saline, Lafayette and Jackson counties for its proposed railway. There remain unsecured about 40 miles. E. W. Grant, of Fulton, Mo. Two bridges will be built. George Harrison, of Glasgow, Mo.; Howard Ellis, of New Florence; E. W. Price, of Keytesville; E. W.

Grant, of Fulton; Walter Brown, of Brookfield; W. B. Cauthorn, of Columbia, and R. C. Clark, of Fayette, are interested.

HANNIBAL, MO.—The CHICAGO GENERAL CONSTRUCTION CO., of Chicago, has been awarded contract for building and equipping the Hannibal-Quincy electric railway.

AUSTIN, TEX.—A. J. Eilers and other citizens are interested in plan to build an interurban line between Lockhart and this city. Noted on May 25.

FORT WORTH, TEX.—J. D. and C. H. Beasley, of Gibsland, La.; G. E. Montgomery and J. L. Breathwit, of Shreveport, La.; B. B. Paddock, Secy. of Board of Trade of Fort Worth, and Cicero Smith, of Mineral Wells, Tex., are promoting a plan to build an electric railway from Fort Worth to Mineral Wells, 52 miles.

LEESVILLE, TEX.—C. M. Wells and J. C. West have organized company to build an interurban line between Leesville and Luling. S. A. Hubbard is Secy.

GAINESVILLE, TEX.—Edward J. O'Beirne, Pres. of the Gainesville Electric Railway & Light Co., 418 Scimitar Building, Memphis, Tenn., states that the company will construct an electric street railway in Gainesville immediately and desires prices on track and overhead material. The plant of the Merchants' Electric Light & Power Co., of Gainesville, has been purchased. Capital is to be $100,000.

WILDMAN, OKLA.—F. R. Wildman, of Blair, Okla., an incorporator, informs us that 15 miles have been surveyed for the line of the Wildman, Central & Wichita Mountain R. R. It will extend from Mangum, via Roosevelt, to Lawton, Okla., 100 miles. Grading will begin about June 15. Ten miles of right-of-way are secured; capital is secured for building this distance. Towns along route probably will build the remaining line. Capital will be needed for rolling stock and power equipment. E. A. Williams, of Wildman, Okla., is Ch. Engr.; Geo. R. Ray, of Wildman, is Pres. Capital stock is $200,000.

WALLA WALLA, WASH.—Isaac W. Anderson and associates, of Spokane, will construct a street railway line in this city, if granted certain franchises. I. W. Anderson, E. S. Isaacs, of H. P. Isaacs Milling Co.; J. B. Catron, Mgr. of the Hotel Dacres; C. M. Rader, of the law firm of Rader & King; R. E. Allen, A. K. Dice, of Dice & Jackson, and Ben C. Holt, Mgr. of the Walla Walla branch of the Holt Mfg. Co., have incorporated the Walla Walla Valley Traction Co., with $200,000 capital.

SPOKANE, WASH.—The Spokane & Big Bend Ry. Co. has acquired right-of-way in various sections of the Big Bend country for the proposed electric line. W. H. Plummer is interested in the company.

PORTLAND, ORE.—The Portland, St. Johns & Vancouver Ry. Co. has been incorporated to build a short line, connecting with Vancouver. It will cost about $70 000. J. V. Beach is Pres. and O. F. Paxton is vice-Pres.

SACRAMENTO, CAL.—It is said that the Southern Pacific Co. will build an electric railway line from Sacramento to Walnut Grove, with a branch to Antioch. Newhope and Stockton will probably be on the line. C. A. Harp, of Stockton, is obtaining right-of-way. He announces that when right-of-way is secured construction will begin.

VALLEJO, CAL.—J. W. Hartzell, recently sold franchise to build an electric railway over county roads between Vallejo, Benicia, Suisun and Vacaville, will begin running survey soon, it is reported.

SIERRA MADRE, CAL.—The Pacific Electric Ry. Co., of Los Angeles, will build an extension to Sierra Madre. J. G. Blumer is Chn. of local committee in charge. George E. Pillsbury, Los Angeles, is Ch. Engr.

EUREKA, CAL.—Bids are asked until June 13 for purchase of a franchise granting certain street railroad rights in this city. J. P. Wunderlich is Cy. Clk.

WALNUT GROVE, CAL.—At a recent meeting the Oakland & Contra Coota Interurban R. R. Co. was organized by A. Rudgear, John F. Boyd and Joseph Napthaly, of San Francisco; A. W. Maltby, Frank Gavin, G. M. Westcott and E. J. Randall, of Concord; J. M. Stow, of Walnut Creek, and R. O. Baldwin, of Danville. Financial support for road's construction is pledged. J. G. Anderson is interested also. Walnut Creek, Oakland, Danville, Concord and other cities are to be connected by trolley.

SAN FRANCISCO, CAL.—A railroad, to be operated by electricity, will be built from San Francisco to Sonoma county towns, including Santa Rosa, Petaluma and Healdsburg. G. A. Batchelder, of San Francisco, representative of E. H. Rollins & Sons, bankers, of Boston, and J. A. McNear, Pres. of the Petaluma & Santa Rosa Ry. Co., are named as the promoters.

SAN FRANCISCO, CAL.—We are informed that $350,000 has been set aside in the budget for the coming year for the conversion of the Geary St. cable railroad into an underground electric conduit road. The total cost has been estimated at $667,595. This is the first step in the acquirement of this road as a public utility, its franchise having expired, and its operation under public ownership. Thomas P. Woodward is Cy. Engr.

BOISE, IDAHO.—The Boise Traction Co., Ltd., probably will build extensions to Pearl, Caldwell and other points west of Boise. W. N. Donaldson is Asst. Secy.; A. Hutchinson is Gen. Mgr.

LEWISTON, IDAHO.—Capital is said to be secured for the Lewiston & Southeastern Electric Ry. which will insure its construction at an early date. Details were given on May 11.

LONDON, ONT.—Announcement is made that the London, Chatham & Western Electric Ry. Co. will build a 113-mile line from London to Windsor. The road is to be in operation within four years.

LIGHT AND POWER PLANTS.

The names of parties awarded contracts are printed in capital letters.

BANGOR, ME.—Farson, Leach & Co., 35 Nassau St., New York, Bankers, will finance the development of Bodwell Water Power Co.'s project at Old Town and Milford. C. W. Johnson, Niagara, N. Y., is Consult. Engr. Company will at once build a concrete dam and a large electric power house. Estimated cost is about $1,000,000. Previously noted.

BOSTON, MASS.—Bids are asked until June 19, 1 p. m., for installing a system of interior and exterior electric lighting, with fixtures and lamps, ready for use, at Fort Warren, Mass. John E. Baxter, Q. M.

HOLYOKE, MASS.—We are informed that the Holyoke Water Power Co. will itself construct the proposed electric station on the Connecticut River. J. M. Sickman is Ch. Engr. Noted April 27.

SPRINGFIELD, MASS.—FRED. T. LEY & CO. have been awarded the contract to lay about 12 miles of gas pipe for the Springfield Gaslight Co., in the extension of its system to Indian Orchard and the streets in that town. The contract also includes piping on some of the streets in this city, for which the city government has recently granted permission. Cost, about $10,000. Work will begin at once.

OTIS, MASS.—The Connecticut legislative committee on incorporations has favorably reported on a resolution incorporating the Northern Connecticut Power Co., with capital of $2,000,000. Power will be developed on Farmington River. The company is authorized, under certain restrictions, to distribute electric power throughout Hartford, Tolland and Litchfield counties. Company will establish its power plant at Otis, Mass. The headquarters of the company will be in Hartford. The incorporators are R. L. Warner, Edwin F. Greene, William Mather and Harrison B. Freeman, Jr.

LAKE PLACID, N. Y.—Village will build a masonry dam on the west branch of the Ausable River for development of water power under a 35-ft. head for operating a new municipal electric light plant, we are informed. There will be installed one 125-HP. high speed engine which will be used at low water only. Charles E. Collins, Drexel Bldg., Philadelphia, is Engr.

ALBANY, N. Y.—Three new electric companies have been incorporated. The Adirondack Power Co., with principal office at Queensbury, Warren County. George R. and Jeremiah T. Finch are among the promoters. It is planned to build dams across the Hudson River and its tributaries in Saratoga, Washington, Essex, Fulton and Hamilton counties. Its capital is $200,000. It is planned to manufacture gas as well as electricity. George F. Underwood and Frederick H. Parks, of New York, and George R. Finch and Maurice Hooper, of Glens Falls, are the directors. The company announces that it will operate in Albany, Cohoes, Watervliet, Colonie and Guilderland in Albany County, and in the principal localities in Essex, Fulton, Hamilton, Montgomery, Rensselaer, Saratoga, Washington and Warren counties.

The Racquette River Transmission Co. has incorporated to manufacture electricity for light, heat and power. Albany, Rensselaer, Columbia, Saratoga, Greene, New York and Kings are the counties in which it will operate. Leroy T. Bradford, of Broadalbin; Lorenzo N. Rider, of Bath, and C. H. Van Slyck, of New York, are the directors. Capital is $50,000.

The Economy Light, Fuel and Power Co. is incorporated to produce electricity, gas and steam for distribution in Niagara and Erie counties. The capital is $250,000. The directors are Isaac H. Babcock, Charles R. Bishop, H. J. Babcock, Robert Hall and Burt Hall, of Lockport; B. F. Stadler, of New York, and Henry C. Eddy, of Chicago.

LEWISTON, N. Y.—The Lower Niagara River Power & Water Supply Co., of Lewiston, Niagara County, has filed a certificate of increase of capital from $700 to $2,000,000. The stockholders of the company are: George E. Greene, George W. Knox, James Low, James S. Simmons, John F. Lynch, Marion P. Hatch, Frederick J. Brown.

ALBANY, N. Y.—Newly incorporated companies to supply light and power are reported as follows: The Southern Dutchess Gas & Electric Co., Fishkill, Dutchess County; capital, $25,000; directors, J. T. Smith and E. L. Tompkins, Fishkill Landing, and S. K. Phillips, Matteawan.

United Public Service Corporation, New York (gas and electricity); capital, $500,000; directors, Charles H. Gardner, George W. Peck and A. Edwin Schaff, New York.

Consumers Power Co., of Buffalo (supply electricity for light, heat and power); capital, $200,000; directors, J. S. Lambert, Fredonia, and E. L. Falk and F. H. Williams, Buffalo.

The Pioneer Gas & Electric Co., of Buffalo; capital, $300,000. The directors are: William E. Carroll, G. Harris, F. V. Barns, H. E. Martin and George Clinton, Jr., of Buffalo.

The Jefferson County Gas & Electric Co., of Watertown; capital, $100,000. Directors: J. B. Taylor, F. B. Pitcher and B. J. McCarthy, Watertown.

The Otsego Transmission Co., of Oneonta; capital, $40,000. Directors: John D. Capron, Menandis; William W. Capron and William H. Smith, Oneonta.

The New York Legislature has passed a bill creating a commission to control corporations of this character. After the bill becomes a law it will be more difficult for such companies to be incorporated.

LOCKPORT, N. Y.—The Niagara, Lockport & Ontario Power Co. has purchased site here for proposed $100,000 transformer station.

NEW YORK, N. Y.—Bates & Neilson, Elec. Engrs., 42 Broadway, are taking figures on a power house for the Quintard Iron Works, on East 11th St. and First Ave. Contracts for equipment have been awarded. Building will be two stories high, 40 × 60 ft.

HIGHLANDS, N. J.—Bids are asked until June 26 for erecting the municipal electric light and water plant. General proposals covering the entire work are required. No bids will be entertained for portions of the work. The work includes (1) power house and foundation, (2) stand-pipe, (3) pipe line, (4) turbine pump, (5) air compressor, (6) driven wells, (7) steam plant, (8) engine, (9) generator, (10) switchboard, (11) transformers, (12) wiring, (13) pole line and fixtures. Plans and specifications may be had at office of the engineers, Runyon & Carey, 122 Market St., Newark. (Advertised, Engineering News.)

PATERSON, N. J.—The Paterson Electric Light, Heat & Power Co. has applied to city for franchise. Thomas Arnold is Pres.

PERTH AMBOY, N. J.—Runyon & Carey, 122 Market St., Newark, N. J., have been appointed consulting engineers for a new electric light plant to be erected by the Citizens' Electric Light, Heat & Power Co. Jacob Goldsmith is Pres. Building will be 75 × 200 ft. Estimated cost, $100,000.

PHILADELPHIA, PA.—E. F. Durang, 1200 Chestnut St., Arch., is preparing plans for a power house at Broad and Mifflin Sts. for St. Agnes' Hospital.

ELLICOTT CITY, MD.—The Patapsco Electric & Manufacturing Co. will spend about $30,000 in the development of additional water power on the Patapsco River, according to a Baltimore report, to be an auxiliary to the present plant. Engineer has not been engaged.

WASHINGTON, D. C.—We are informed that bids will be received June 10, noon, by District Commissioners for constructing and installing heating, lighting, power plant and water supply for Industrial Home School at Blue Plains; bids are wanted also for construction of sewerage. This work was advertised in Engineering News on May 4, when bids were asked until May 31. S. Ashford is Inspector of Bldgs. (Advertised, Engineering News.)

WASHINGTON, D. C.—Bids were received on May 20 for furnishing and installing complete electric lighting plant for Washington filtration plant. Lt.-Col. Smith S. Leach, U. S. Engrs., has recommended that the following contracts be awarded, which were favorably accepted: Engines, generators, switchboards, etc., to THOMAS W. POWER, of Washington, at $6,069; material and labor to complete duct system, to the BRENNAN CONSTRUCTION CO., of Washington, at $7,544; wiring, etc., including all material and labor not included in the other classes, to the NATIONAL ELECTRIC SUPPLY CO., of Washington, at $32,299, making the total expense of $45,912, being $5,537 less than the lowest bid submitted by any single bidder for the entire work. Full bids were given last week.

CREWE, VA.—Town voted June 5 on the issuance of bonds for the establishment of electric light plant.

MENLO, GA.—A. J. Lawrence and associates are reported to be organizing a company to develop 15,000 HP. near here.

TALLAPOOSA, GA.—Gelder & Black are reported to have been granted a franchise to erect an electric light plant at this place.

CARTERSVILLE, GA.—The Etowah Power Co. has purchased from the Etowah Development Co. the water power of the Etowah River near Cartersville, together with two dams, which gives 25 acres of land at each place for the location of power house, 40 acres of ground for a park and the right-of-way for an electric railway. The company will arrange at once for the development of the water power, which will have a minimum capacity of 4,500 HP., which, with the storage dams, will be increased to 8,000 HP., furnishing light and power to Cartersville. Total cost, it is said, will be about $725,000. A. J. Warner is Pres. of the company.

LAGRANGE, GA.—We are informed that bonds have been sold for proposed city electric light plant. Estimated cost, $25,000. Committee in charge is as follows: Roy Dallis, Chn.; L. H. Truitt, Fuller E. Callaway, C. V. Truitt and C. N. Pike. Committee will secure site and have plans made. Contracts will be let soon. Capacity of plant will be 75 2,000-c. p. arc lights and 2,500 16-c. p. incandescent lights. It is to be operated by steam.

BOLIVAR, TENN.—Water-works and an electric light plant are under consideration.

COOKEVILLE, TENN.—See under Water-Works.

CHATTANOOGA, TENN.—The Chattanooga-Tennessee River Power Co. has been incorporated in Tennessee with $3,000,000 capital. Financial arrangements are made for the construction of the power plant at the "Suck" on the Tennessee River, actual work of which will be begun within 60 days. C. E. James and J. C. Guild are the promoters and holders of the franchise. This project has been noted in Engineering News at various times. The plant will have a minimum current of 36,000 HP. The dam and lock will cost $1,180,000. The dam will be built of cement and will be 57 ft. at base, 9 ft. at top and 35 ft. in height. The river at this point is 1,250 ft. wide. The gates for the lock will be furnished by the government and will cost $150,000.

PADUCAH, KY.—The Paducah Gas & Electric Co. has been sold to James C. Utterback for $135,000. Mr. Utterback is cashier of City National Bank. Improvements will be made at once. Ira Covert is Supt. North Third St. gas house.

YOUNGSTOWN, O.—Bids are asked by the Board of Public Service until June 19 for one electric light plant complete for water-works pumping station and filter plant. G. T. Prosser, Clk. (Advertised, Engineering News.)

ZANESVILLE, O.—Bids will be received for lighting city for term of five or ten years.

CRAWFORDSVILLE, IND.—The Water & Light Co. will improve its plants; $125,000 will be expended on both plants. Profiles and specifications are prepared.

LOGANSPORT, IND.—The Logansport & Wabash Valley Gas Co. will ask for bids for the construction and equipment of an artificial gas plant in this city. The company proposes to furnish gas to Peru, Wabash and this city through old natural gas pipes.

TRENTON, MICH.—The municipal water-works and electric lighting plants were destroyed by fire recently. D. W. Reaume is Ch. Engr.

SAULT STE. MARIE, MICH.—The Edison Sault Electric Co. has filed a chattel mortgage for $500,000, for the purpose of securing a bond issue, the proceeds of which will be used in improving its plant. W. F. KINGAN is Mgr. and S. Epeel is Ch. Engr.

ROSEVILLE, ILL.—C. J. Boyd and Frank Lee will build a gas plant in this city.

WAUTOMA, WIS.—City will issue bonds for $7,000 for installing a cold process gas plant.

MARSHALLTOWN, IA. — The Peterson Heat, Light & Water Co., of Des Moines, which has a franchise to build a heating plant in this city will commence work at once. It will cost $75,000 to $100,000. O. F. Peterson is Pres. and Charles H. Baker, Secy.

ARMOUR, S. DAK.—A 20-year franchise for heating and lighting has been granted to Fred L. Kellogg.

LIVINGSTON, MONT.—The Livingston Water Power & Light Co. will improve its system. The plant will be rebuilt at cost of $100,000. J. E. Brayton is Mgr. and Supt.

TROY, MO.—Contracts for building city electric light plant have been let as follows: To MURRAY IRON WORKS CO., of Burlington, Ia., for installation of steam power, at $2,900; to FORT WAYNE ELECTRIC CO., for electric supplies; N. H. LEDFORD, of Bowling Green, Mo., for installing equipment.

JOPLIN, MO.—We are informed that the Southwest Missouri Light Co., of Joplin, contemplates improvements as follows: Two 500-HP. water tube boilers, automatic stokers for the same; one 400-KW. alternator, two-phase, 60 cycles, 5,500 volts, to be direct-connected to a 600-HP. cross compound, non-condensing engine and the following transformers: two 250-KW. 13,200 volts to 5,500; two 250-KW. 13,200 volts to 5,500 volts; two 250-KW. 13,200 volts to 2,200; two 100-KW. 13,200 volts to 2,200 volts. Company will purchase one 30-KW. 60-volt engine exciter direct-connected to one 11 × 11 high speed automatic self-oiling engine of standard make. Company will also install a complete switchboard for the substation to which the above will be connected. A. M. Barron is Gen. Mgr.

EUGENE, ORE.—Council has granted a franchise to F. W. Walters to construct and operate a gas system.

SANTA ANA, CAL.—Bids are asked until July 3 for purchase of $57,000 of electric light and power bonds. Ed. Telford is Cy. Clk.

SANTA BARBARA, CAL.—The Merchants' Mutual Light & Power Co. may build a plant large enough to supply entire city's needs. It would cost $50,000.

UKIAH, CAL.—Bids are asked until July 3 for electric light and power rights franchise. Hale McCowen is Clk.

BRIDGES.

The names of parties awarded contracts are printed in capital letters.

EAST BERKSHIRE, VT.—We are informed that the contract for constructing superstructure of proposed steel riveted bridge to be erected over Missisquoi River has been awarded to GROTON (N. Y.) BRIDGE MFG. CO. for $4,700. Contract for substructure had not been awarded. A. S. Sykes, Selectman, Richford, Vt.

BOSTON, MASS.—JAS. J. COUGHLAN CONSTRUCTION CO., 19 Worthington St., Boston, has been awarded contract for building abutment and retaining walls of Boston approach to Brookline St. bridge, at $29,300.

SALEM, MASS.—Bids are asked by County Commissioners until June 10, 12 M., for constructing bridge over Merrimac River, between Haverhill and Bradford.

BROOKLYN, N. Y.—MILLIKEN BROS., 11 Broadway, New York, were the lowest bidders, at $550,000, for building about 15 bridges in connection with the depression of Manhattan division of Long Island Railroad. Contract for concrete abutments was awarded recently to SEE BROS., at $115,000.

GOSHEN, N. Y.—The Goshen and Wawayanda Town Boards have awarded contract for rebuilding west pier of Pellett Island bridge to HORSEHEADS CONSTRUCTION CO. for $2,300. The new pier is to be of solid masonry with concrete foundation upon piles sunk at least 25 ft. and is to be finished by July 15.

HARRISBURG, PA.—Bids are asked by J. M. Shumaker, Supt. Pub. Grds. and Bldgs., until June 13 for rebuilding substructure and superstructure of bridge over North Branch of Susquehanna River, between Berwick and Nescopeck Boroughs.

READING, PA.—Contract for superstructure for Heffner's Ford Bridge over Saucony Creek has been awarded to CLIMAX ROAD MACHINE CO., for $1,632.

WASHINGTON, D. C.—Bids are asked by the District Commissioners until June 15 for construction of six concrete steel bridges (spans varying between 9 ft. and 29 ft.) in the District of Columbia. (Advertised, Engineering News.)

NORFOLK, VA.—Application has been made to Board of Harbor Commissioners by Tidewater Ry. Co. for permission to build two bridges, one over southern branch of Elizabeth River and the other over eastern branch, both to have swing draw. Raymond Du Puy is Gen. Mgr., Norfolk.

CHARLESTON, W. VA.—Bids are asked by City Council until 8 p. m., June 15, for erection of truss bridge over Elk River, connecting Charleston and Lovell Sts. W. A. Hogue, Cy. Engr. (Advertised, Engineering News.)

SAVANNAH, GA.—The Georgia & Alabama Terminal Co. is arranging for the construction of proposed bridge across river to Hutchinson Island, to have 150 ft. clear span and be equipped with Scherzer roller lifts.

PORT ORANGE, FLA.—The Port Orange Bridge Co. has been incorporated with $20,000 capital stock and will build a bridge across Halifax River; principal office, Daytona, Fla.

JACKSON, MISS.—Contract for construction of bridge across Town Creek on Rankin St. has been let to SANDS, LAWSON & KEY, of Norfolk, Va., at $5,600.

NATCHITOCHES, LA.—Bids will be received by Board of Police Jurors of Natchitoches Parish until July 3 for the erection of an iron bridge. P. E. Prudhomme, Pres.

CHATTANOOGA, TENN.—The bids for construction of piers on new drawbridge which is to be erected over Tennessee River by the Southern Railway as a part of the Stevenson extension have been sent to Washington and contract will be awarded in the near future. The steel work will be done under a separate contract. Six piers will support the structure. The bridge will span the river a distance of 900 ft. and it will be 65 ft. above low water mark. It will require ten months to complete the structure and it will cost $250,000.

CINCINNATI, O.—J. E. Breen, Cy. Engr., has estimated the cost of repairing Liberty St. viaduct at $48,000. There is a movement on foot to have bridge torn down and a new structure erected.

MEDINA, O.—Bids are asked by County Commissioners until June 19 for building superstructure of bridge over Rocky River, to consist of one span 120 ft. in length with 16-ft. roadway. W. H. Hobart, County Audr. Est. cost, $2,800.

ZANESVILLE, O.—Bids are asked by County Commissioners until June 15 for rebuilding protection cribs to draw pier of bridge over Muskingum River. L. M. Brelsford, County Audr.

CLEVELAND, O.—We are informed that the contract for widening Superior St. viaduct was let May 29 by Board Public Service to JOHN P. COWING, of Cleveland, for $2,898. F. D. Richards, Bridge Engr.

CLEVELAND, O.—Bids are asked by Board Public Service until June 13, 12 m., for raising grade and repaving Ridge Ave. approach to bridge on Denison Ave. A. R. Callow, Secy.

ELWOOD, IND.—F. O. Hodson, Cy. Engr., is preparing plans for six concrete bridges. Bids will be in order soon.

INDIANAPOLIS, IND.—Bids will be received by County Commissioners until June 15 for construction of culverts in various townships and for a truss bridge in Washington township. C. J. Clark, County Audr.

WARSAW, IND.—Bids will be received by County Commissioners until June 15 for construction of 13 steel bridges, 16 pairs of stone abutments, 16 arches and for repairing two bridges. Jacob O. Deaton, Chn.

FORT WAYNE, IND.—County Council has appropriated $17,000 for construction of a bridge over Maumee River. Bids will now be invited.

ADA, MICH.—Bids are asked by Township Board until June 24 for construction of a steel bridge across Grand River. Arthur R. Martin, Twp. Clk.

MOLINE, ILL.—Bids are asked until June 24 for construction of an iron bridge with concrete foundations, to be built near Seventh St. Nathan Erickson, Clk.

PEORIA, ILL.—It is stated that the interurban electric railways will build a bridge across Illinois River in Peoria. A. L. Kellogg, Ch. Engr., Central Ry. Co., may be able to inform.

KEWANEE, ILL.—Plans have been completed by John McCullough, Arch., 107 Third St., Kewanee, for a cement bridge. Bids will be advertised for immediately.

MINNEAPOLIS, MINN.—County Commissioners will shortly advertise for bids on the $50,000 worth of bonds authorized by state legislature for the erection of a steel arch bridge at Hamilton's Ferry. J. B. Johnson is Chn., Minneapolis.

ST. PAUL, MINN.—County Commissioners are about to advertise for a steel and concrete bridge to replace present wooden structure at Bald Eagle. Nicholas Pottgeiser, 375 Wabasha St., St. Paul, is Chn.

FARGO, N. DAK.—Bids are asked by Arthur G. Lewis, County Audr., until June 20 for construction of three bridges in county and rebuilding approach to bridge over Red River in Fargo.

CASTLEWOOD, S. DAK.—Bids are asked by J. A. Meadows, Chn. County Commissioners, until July 11 for construction of a steel bridge at Castlewood.

FORT WORTH, TEX.—Bids will be received by C. J. McKenna, County Audr., until June 12 for constructing two steel bridges; also for removal of one 80-ft. steel bridge.

McQUEENEY, TEX.—E. P. ALSBURY & SON have contract at $13,400 for building proposed steel bridge across Guadalupe River.

BONHAM, TEX.—County Commissioners are arranging for the erection of two steel bridges across Sulphur Creek.

WAGONER, IND. T.—Iron bridges will be built across Grand and Verdigris Rivers at Wagoner, at a cost of about $30,000. The Mayor can give information.

NORTH BEND, ORE.—County Judge Harlocker has been ordered to have plans and specifications prepared for a bridge across north fork of Coquille River at Lee, and bids advertised for construction, to be opened at July term of court.

SAN BERNARDINO, CAL.—We are informed that the Union Iron Works, of Los Angeles, Cal., was the lowest bidder, at $2,287, for construction of bridge over Chino Creek. M. L. Cook, County Surv.

OAKLAND, CAL.—Bids for constructing a bridge over Arroyo del Valle in Pleasanton Road district were received by Board of Supervisors May 22, as follows: Burrell Const. Co., Oakland, $7,869; Cotton Bros. Co., 478½ Tenth St., Oakland, $6,998; W. M. Concannon, 490 Orchard St., Oakland, $8,889; D. E. Brown, $7,227; Atlantic, Gulf & Pacific Co., San Francisco, $8,450; E. B. & A. L. Stone Co., 900 Broadway, Oakland, $9,229; Dundon Bridge & Const. Co., 225 Folsom St., San Francisco, $8,462; Thos. B. Russell, $8,885.

NEVADA CITY, CAL.—Bids are asked by Board of Supervisors until June 16 for removal of Pratt truss bridge and approaches at Edwards Crossing, and erecting main span of 101 ft. at Dry Creek brifge site. F. L. Arbogost, Clk.

BOISE, IDAHO.—See under Streets and Roads.

VANCOUVER, B. C.—The BRITISH COLUMBIA GENERAL CONTRACT CO., of Vancouver, has been awarded contract for replacing wooden piers of Canadian Pacific Railway bridge with concrete. Cost will be approximately $40,000, and work will be done as soon as possible. Next year steel spans will be laid on concrete piers.

BUILDINGS.

The names of parties awarded contracts are printed in capital letters.

BURLINGTON, VT.—Pennington & Butler, of Burlington, were the lowest bidders, at $41,000, for constructing new administration building, and additions to band barracks, at Fort Ethan Allen, Vt.

MALDEN, MASS.—We are informed that the contract for school in Malden will be let some time this summer. Brick and stone, 2 stories, 142 × 60 ft. Cost, $50,000. Edward I. Wilson, Arch., 101 Tremont St., Boston. Previously noted.

AMHERST, MASS.—Sealed proposals will be received at the office of James Draper, Chn. of Bldg. Com., Worcester, Mass., until June 10, 10 a. m., for construction of Horticultural Building of Massachusetts Agricultural College at Amherst. Plans and specifications may be found at the following places: At the office of the Acting President at the College, Amherst; at the office of Chas. A. Gleason, 47 School St., Springfield; at the office of Wm. Wheeler, C. E., 14 Beacon St., Boston; at the office of James Draper, 287 Plantation St., Worcester.

BOSTON, MASS.—Plans have been prepared by F. A. Norcross, Arch., 110 Tremont St., Boston, for a synagogue for Congregation Adath Jeshurum, Blue Hill Ave. and Brunswick St. Brick, 2 stories, 64 × 134 ft. Louis Segel and Jos. Rudwick, Com., 42 Court St., Boston, are receiving figures on foundation work. Cost, $45,000.

NEW YORK, N. Y.—Contract for building addition to Sherry's, on Fifth Ave., has been awarded to L. MARCOTTE & CO., 415 Fifth Ave. Fred. Rose is Arch., 1 Madison Ave. Previously noted.

Oscar Hammerstein, 42d St. and Seventh Ave., wants figures on all sub-contracts for building "Drury Lane" theater at 34th St., near Eighth Ave. Brick and stone, 6 stories, 125 × 200 ft. Engines, boilers, generators, steel work, heating system, etc. Cost, $500,000.

The general contract for an addition to the "Aristor," Broadway and 55th St., has been awarded to the JONES CONSTRUCTION CO., 1 Union Square, West. Maynicke & Franke are Archs., 298 Fifth Ave.

Robt. T. Lyons, Arch., 31 Union Square, is taking figures on an apartment hotel to be built at 70th St. and Central Park West, for Vailia Realty Co., 642 Broadway. P. R. Moses is Consult. Engr., 35 Nassau St. Brick, 13 stories, 100 × 150 ft. R. E. Moss is Structural Engr., 12 Elm St. Engines, boilers, electric wiring, conveying machinery, refrigerating plant, generators, etc. Cost, $1,000,000.

General contract for office building to be erected at Park Row and Ann St. for August Belmont has been awarded to A. J. ROBINSON CO., 123 East 23d St. Robertson & Potter are Archs., 160 Fifth Ave. Cost, $75,000.

Herbert D. Hale, Arch., 92 William St., is taking figures on general contract for building the United Engineering building at 25-33 West 39th St. Brick and stone, 15 stories, 90 × 120 ft. A. R. Wolff is Steam Engr., 130 Fulton St.; C. O. Mailloux is Elec. Engr., 76 William St., and Purdy & Henderson are Steel Engrs., 78 Fifth Ave. Cost, $975,000.

Chas. W. Platt, Arch., 234 Fifth Ave., has plans in progress for $250,000 studio building to be erected at 66th St. and Lexington Ave. for W. S. Taylor, 5 East 42d St. Brick, stone and steel, 7 stories, 100 × 170 ft. Owner will build and wants figures on sub-contracts. Elevators, boilers, blowers, heating and motors.

Robertson & Potter, Archs., are preparing plans for a residence to be located at 33-35 West 53d St., for Col. Archibald Rogers, 340 Madison Ave. Brick and stone, 4 stories, 50 × 100 ft. Heating system, boilers, electric wiring, telephones and electric elevator. Cost, $200,000.

Clinton & Russell, Archs., 32 Nassau St., have plans in progress for a loft and store building to be erected at 58 West 15th St., for the Fifteenth St. Realty Co., of which D. B. Stewart, 1123 Broadway, is Pres. Brick and stone, fireproof, 10 stories, 50 × 100 ft. Boilers, engines, pumps, generators, etc. Cost, $100,000.

General contract for erecting a $250,000 office building at 17th St. and Fifth Ave. for estate of E. A. Hoffman, 4-6 Warren St., has been let to A. J. ROBINSON CO., 123 East 23d St.

Oscar Lowinson, 29 West 42d St., is ready for figures on an automobile garage to be located at 57th St. and Broadway, for the Auto Import Co. Brick and stone, 4 stories, 50 × 100 ft. Heating system, boilers, charging apparatus, elevators and blowers. Cost, $100,000.

Contract for department store to be erected on 34th St. for McCreery Dry Goods Co. has been let to THOMPSON-STARRETT CO., 49 Wall St. Building is to be 10 stories, 150 × 200 ft., and will have an isolated power plant. Cost, $500,000.

United States Express Co. are taking figures on a new office building to be erected at Trinity Place and Greenwich St. Clinton & Russell are Archs., 32 Nassau St. Brick, stone and steel, 22 stories, 140 × 130 ft. Boilers, engines, generators, pumps, coal-handling apparatus, etc. Cost, $2,000,000.

C. B. J. Snyder, Supt. School Bldgs., Park Ave. and 59th St., has filed plans for a new school house to be erected at Rivington and Pitt Sts. Brick and stone, 5 stories, 75 × 100 ft. Cost, $125,000.

McKim, Mead & White, Archs., 160 Fifth Ave., are taking figures on "Hamilton Hall," a new building for Columbia University, to be located at Amsterdam Ave. and 116th St. Brick and stone, 5 stories, 50 × 200 ft. C. O. Mailloux is Elec. Engr. and A. R. Wolff is Heating Engr. Ventilating, blowers, electric wiring, heating system, etc. Cost, $200,000.

Robertson & Potter, Archs., are taking figures on a store and loft building to be located at 12th St. and Fourth Ave. for Hamilton Fish Corporation. Brick, stone and steel, fireproof, 8 stories, 100 × 100 ft. Boilers, generators, motors, stack, etc. Cost, $250,000.

FOUNTAIN & CHOATE, 124 East 23d St., have been awarded general contract for alterations to residence for Mrs. Marion De Forest Clark, 21 West 47th St. Cost, $50,000.

F. A. Rooke, Arch., 489 Fifth Ave., is taking figures on a $50,000 alteration to a residence at 102d St. and West End Ave., for John Weser, 149 West 23d St. Consists of a three-story addition and heating system.

NEW YORK, N. Y.—Bids are asked by C. B. J. Snyder, Supt. School Bldgs., until June 12 for alterations, repairs, etc., for public schools 5, 19, 20, 22, 23, 31, 35, 37, 38, 53, 59, 68, 73, 75, 86, 88, 87 and 117, Borough of Brooklyn.

BINGHAMTON, N. Y.—Bids are asked by State Commission in Lunacy, T. E. McGarr, Secy., Albany, until June 28 for construction, heating, plumbing and electric light wiring of an Acute Hospital and Chronic Ward Building (two separate buildings) at Binghamton State Hospital. G. L. Heins, State Arch., Albany. (Advertised, Engineering News.)

OSWEGO, N. Y.—Bids are asked until June 16 for construction, plumbing, heating and electric wiring of one brick post exchange and gymnasium, and for the construction of one brick quartermaster's shop at Fort Ontario, N. Y. Capt. W. M. Coulling, Q. M., U. S. A. (Advertised, Engineering News.)

ALBANY, N. Y.—Board of Contract and Supply, Isadore Wachsman, Clk., will soon advertise for bids for the erection of a new school-house, No. 16.

NEW YORK, N. Y.—Contract for structural iron work for apartment house to be erected at Amsterdam Ave. and 23d St., for Central Realty Co., has been let to the HAY FOUNDRY CO., 141 Broadway, New York. Plant for lighting and power is needed. Mulliken & Moeller, Archs., 7 West 38th St., New York, Previously noted.

ROCHESTER, N. Y.—The Rochester Carting Co. announces the purchase of a city block, bounded by Kent, Oak, Brown and Jay Sts., at a cost of $100,000, for the erection of a freight house, the total cost of which, including the land, will be nearly $1,000,000. Work will be started on the structure this summer.

UTICA, N. Y.—The contract for construction of Oneida County court-house was awarded to CONNERS BROS. CONSTRUCTION CO., of Lowell, Mass., for $730,000. Olin W. Cutter is Arch., 683 Atlantic Ave., Boston, Mass.

BUFFALO, N. Y.—It is stated that bids will be received until June 26 for proposed new Federal building, for which $100000 is available.

JERSEY CITY, N. J.—Bids will be received by Board of Education until June 22 for alterations to be made to Public School No. 6, at Central and St. Paul's Aves.

MONTCLAIR, N. J.—Bids are asked by Board of Education, E. Madison, Bus. Mgr., until June 27, for the erection of a new school building after the plans of McKim, Mead & White, Archs. (Advertised, Engineering News.)

RAHWAY, N. J.—The city will soon make an appropriation for a $75,000 city hall. John R. Morse is Pres. of Council.

HOBOKEN, N. J.—Benevolent Order of Elks, of Hoboken, care of J. J. Fallow, are taking bids on a new hall to cost $75,000. Brick and stone, 6 stories, 75 × 150 ft. G. B. McIntyre is Arch., Hoboken.

TRENTON, N. J.—Plans are in preparation for an addition to cost $200,000 for the Insane Hospital at Trenton. Buildings will be three stories, each 50 × 300 ft. Heating and ventilating systems, plumbing, boilers, blowers, motors, elevators, generators, engines, electric wiring, switchboards and furniture.

ATLANTIC CITY, N. J.—H. A. Stout, Arch., 600 Bartlett Bldg., Atlantic City, will receive bids until July 1 for a three-story convention hall, 150 × 300 ft., for the Hall Co. Cost, $500,000.

HACKENSACK, N. J.—Bergen County is considering an architect to prepare plans for new county buildings at Hackensack, at a probable cost of $250,000. Details will be available soon.

HAZELTON, PA.—The CARLUCCI STONE CO., of Scranton, Pa., has been awarded contract for St. Joseph's R. C. Church. Cost, $60,000.

HARRISBURG, PA.—Rothert & Co., 11 North Second St., have invited bids for a furniture store building at 312 Market St. Brick and steel, fireproof, 6 stories, 25 × 200 ft. Cost, $60,000.

PHILADELPHIA, PA.—Stearns & Castor, Archs., Stephen Girard Bldg., have completed plans for a branch library at Frankford Ave. and Hartel St., for the city. Cost, $40,000.

Lloyd Titus, Arch., Pennsylvania Bldg., is preparing plans for bank building to be erected at Juniper and Chestnut Sts., for the Tradesmen's Trust Co. Cost, $100,000.

A. H. Moses, Arch., 136 South Fourth St., has started plans for an addition to Sanvantan Hospital, at 3405 North Broad St. Cost, $50,000.

DEVON, PA.—GRAY [illegible] of Rosemont, Pa., have been awarde[illegible]ract for a residence for Chas. B. Pe[illegible] Cost, $50,000.

CARLISLE, PA.—Sea[illegible]posals will be received by Wm. A. [illegible] Supt. Indian School, until June 12, f[illegible]ishing and delivering about 44,500 ft. [illegible]er, 2,000 lath, 12 window and door fra[illegible] 17 perch stone, 119,000 brick, 3,195 bu[illegible] and sand, 13 barrels plaster and cem[illegible] yds. plastering, 33 squares slate ro[illegible] iron girders and beams, quarrying [illegible] laying brick, tinning, painting and g[illegible]rpenter work, etc.

PITTSBURG, PA.—Joh[illegible]t & Sons Co., 1700 Jane St., Pittsburg[illegible] lowest bidder, at $52,435, for the ere[illegible] First Ward engine house.

ALLEGHENY, PA.—P[illegible] McLanahan, Archs., 1626 Walnut St[illegible]delphia, have about completed plans fo[illegible]enger station for Pennsylvania R. R. C[illegible]k, stone and steel, 4 stories, 125 × 50 f[illegible]

HARRISBURG, PA.—A[illegible]mith, Arch., Baer Bldg., is preparing p[illegible] an addition to department store for [illegible] Pomeroy & Stewart. Brick and stone, [illegible], 30 × 120 ft.

SCRANTON, PA.—ED. S[illegible]LIAMS, Coal Exchange Bldg., has rec[illegible]ontract for addition to Hahnemann [illegible]pital. Cost, $75,000.

WILMINGTON, DEL.—J[illegible] PHILLIPS & CO. have been awarded con[illegible] for an addition to Wilmington Hom[illegible] Hospital. Cost, $50,000.

Contract for an apartmen[illegible] for J. P. Postles has been let to A. S[illegible]ED & BRO. CO., 812 Shipley St., Wilmington. Cost, $100,000.

BALTIMORE, MD.—The Ch[illegible]peake & Potomac Telephone Co. has awarded contract to HERBERT A. WEEKS CO., 127 West 40th St., New York, for construction of proposed telephone exchange on Light St. Brick, 9 stories, 40 × 150 ft. Eidlitz & Mackenzie are Archs., 1123 Broadway, New York. Cost, $200,000.

Contract for office building at German and Mercer Sts., for the Larrabee Building Co., has been let to J. F. STUCKERT, 1421 Chestnut St., Philadelphia, Pa. Cost, $150,000.

WASHINGTON, D. C.—The United States Government, care of E. A. Hitchcock, Secy. of the Interior, is taking figures on "Freeman Hospital," to be located at Fifth and Pomeroy Sts., Washington, D. C. Following buildings are included: Administration building, 6 stories, 50 × 150 ft.; three ward buildings, 2 stories, 50 × 125 ft. each; main building, 3 stories, 100 × 225 ft.; nurses' home, 2 stories, 50 × 150 ft.; power house, 1 story, 50 × 60 ft., and stable, 2 stories, 26 × 60 ft. Boilers, generators, elevators, heating and ventilating system, etc. Price, Bruce & De Sibour are Archs., 1133 Broadway, New York; Pattison Bros., 949 Broadway, New York, are Consult. Engrs. Cost, $1,000,000.

A. P. Clark, Arch., 605 F St., N. W., has invited bids for an addition to Washington Post Bldg. Brick, stone and steel, fireproof, 6 stories, 25 × 108 ft.

CHAS. A. LANGLEY, 310 12th St., N. W., has been awarded contract for a residence at 16th and Erie Sts., for J. B. Henderson. Cost, $50,000.

WASHINGTON, D. C.—Bids are asked by Elliott Woods, Supt. U. S. Capitol Building and Grounds, until June 29 for cut stone work for exterior facades and court walls of the office building, U. S. Senate. (Advertised, Engineering News.)

RICHMOND, VA.—Mrs. A. S. Atkinson will soon have plans started for an addition to Richmond Hotel. Cost, $300,000.

FORT MONROE, VA.—Bids are asked until June 20 for constructing officers' quarters at this post. The date for opening bids for the above work has been changed from June 24 to June 20, as is stated in our advertising columns.

BIRMINGHAM, ALA.—W. C. Weston, Arch., First National Bank Bldg., Birmingham, is preparing plans for a large hotel for the Jefferson Hotel Co.

ELKTON, KY.—Bids will be received by Building Committee of Vanderbilt Training School, Elkton, until June 15 for the erection of a four-story dormitory, 64 × 40 ft Jas. L. Long, Arch., Hopkinsville, Ky.

COLUMBUS, O.—We are informed that the contract for retail dry goods store to be erected by D. C. Beggs will be let at once. The equipment has not yet been decided on, but will probably be let within a month. Stribling & Lunn, Archs., 85 North High St., Columbus. Cost, $150,000. Previously noted.

EVANSVILLE, IND.—M. H. Lockyear, of Evansville, contemplates erecting a ten-story fireproof office building, to cost $200,000. Plans will be ready for estimates within 60 days. Holabird & Roche, Archs., 1618 Monadnock Bldg., Chicago, Ill.

GOSHEN, IND.—Bids are asked by County Commissioners until July 11 for construction of a county hospital. Address County Auditor.

SHELBYVILLE, IND.—Bids are asked by Thos. Hawkins, County Audr., until June 28 for construction of a steam heating plant for court-house and jail.

BATTLE CREEK, MICH.—The contract for new $50,000 depot for the Grand Trunk Ry. at Battle Creek has been let to M. M. LEWIS & SONS, of Battle Creek.

MADISON, WIS.—We are informed that the contract for new high school has been awarded to T. C. McCARTHY, of Madison. Cost of building is $225,000; equipment, $25,000.

JOHNSBURG, MINN.—Bids are asked by Stephen Klaaprich, Chn. Bldg. Com., Adams, Minn., until June 15 for construction of parochial school at Johnsburg. W. F. Keefe, Arch., Austin, Minn.

FAIRMONT, MINN.—County Commissioners will meet at office of H. S. Edwards, County Audr., Fairmont, June 12, for the purpose of receiving and considering designs for new court-house. Cost not to exceed $100,000.

FORT LINCOLN, N. DAK.—Bids are asked until June 27 for constructing, plumbing, heating and electric wiring, brick field officers' quarters, brick, double set captains', lieutenants' and N. C. O. quarters, and brick double barrack. R. H. Leavitt, Q. M.

GRAND FORKS, N. DAK.—Bids are asked by James [illegible] Taylor, Supv. Arch., Washington, D. C., until June 27 for furnishing the steam heating apparatus complete in place for U. S. post-office and court-house, etc., at Grand Forks.

LARAMIE, WYO.—W. H. MAXWELL, of Pierre, S. [illegible], was awarded contract, at $79,378, for construction of U. S. post-office at Laramie. Previously noted.

SHERIDAN, WYO.—Bids are asked until June 15 for construction of 1 set commanding officer's quarters; 1 set field officers' quarters; 2 double set captains' quarters; 1 eight set bachelor officers' quarters; 1 quadruple set N. C. O. staff officers' quarters; 2 double barracks and barracks; administration building; [illegible]on shed; hay shed; shop, magazine and granary; enlarging present guard house and installing plumbing, heating and electric wiring in buildings where specified, at Fort McKenzie, Wyo. Capt. Jas. S. Parker, Q. M., U. S. A.

ST. LOUIS, MO.—We are informed that contracts will be let in about three weeks for a $50,000 apartment house to be erected by Ettrick Realty Co. A. Blair Ridington, Arch., 620 Chestnut St., St. Louis.

SAN ANTONIO, TEX.—Contract for new mess hall and kitchen and bachelor officers' quarters for post here has been awarded to P. T. SHIELDS, 1712 North Olive St., San Antonio, for $71,000.

BALLARD, WASH.—Site has been selected by Sisters of the Good Shepherd for their convent at Ballard. Cost, about $150,000.

FRESNO, CAL.—Plans and specifications will be received by W. H. Ryan, Clk. Bd. of Trustees, until June 19 for construction of a city hall. Estimate shall not exceed $75,000.

SAN FRANCISCO, CAL.—We are informed that plans are completed and bids will soon be called for Washington grammar school. Est. cost, $120,000. Thos. P. Woodward, Cy. Engr.

PRESCOTT, ARIZ.—Bids were received May 22 by Capt. Chas. C. Walcutt, Jr., Q. M., U. S. A., for constructing officers' quarters, etc., at Whipple Barracks, Ariz. The following total bids were received for construction of all of the buildings: J. J. Olsen & Son, Red Wing, Minn., $345,925; Congress Construction Co., Chicago, Ill., $271,181; Morrison Contracting & Mfg. Co., Denver, Colo., $327,000, alternate, $322,686; Thos. H. O'Neil, Denver, Colo., $340,375; Lynn S. Atkinson, Colorado Springs, Colo., $356,500, alternate $350,000; Russell & Walker, Colorado Springs Colo., $340,849; Burrell Construction Co., Oakland, Cal., $279,501; B. M. Zadeck & Co., Chicago, Ill., $341,085. The three lowest bidders on plumbing were as follows: Newell Bros., Los Angeles, Cal., $23,635; Robt. Dalziel, Jr., Co., Oakland, Cal., $24,262; Burrell Construction Co., Oakland, Cal., $24,321. For steam heating the three lowest bidders were as follows: Newell Bros., Los Angeles, Cal., $15,455; G. A. Kees Domestic Engineering Co., St. Paul, Minn., $17,195, alternate $16,950; John G. Sutton, San Francisco, Cal., $17,560. For the plumbing and steam heating combined Newell Bros., Los Angeles, Cal., were low bidders, at $38,301. F. E. Newberry & Co., St. Louis, Mo., were low bidders on the electric wiring, at $4,200.

VANCOUVER, B. C.—Tenders will be received by Department Public Works until June 23 for the erection of a post-office at Vancouver. Fred. Gelinas, Secy.

WATER SUPPLY—IRRIGATION.

The names of parties awarded contracts are printed in capital letters.

PORTLAND, ME.—Following bids were received May 27 by Capt. A. W. Yates, Q. M., for extension of water mains at Fort Williams: Frank H. Marshall, South Portland, Me., $2,500, alternate bid, $2,250; W. B. Bryne, West Medford, Mass., $1,950, alternate, $1,675.

BRISTOL, VT.—Following bids were received June 2 by Water Committee, F. H. Palmer, Chn., for construction of gravity water-works system for this village; Lhoyd & Mann, Engrs.: Booth & Co., Inc., 42 Court St., Boston, Mass., $73,405; Goodwin Construction Co., 60 Wall St., New York, $71,245; Miller-Collins Co., 1133 Broadway, New York, $61,499; Lucian A. Taylor, 719 Tremont Bldg., Boston, Mass., $58,531; The Loring N. Farnum Co., Boston, Mass., $58,449; Wm. S. Teachout, Essex Junction, Vt., $54,834; Crosby & Parker, Brattleboro, Vt., $54,811; Fred. T. Ley & Co., Springfield, Mass., $54,400; Flood & Sherrill, Sandy Hill, N. Y., $53,945; Denniston & Co., 600-604 Ellnanger & Barry Bldg., Rochester, N. Y., $51,172.

RICHFORD, VT.—We are informed that plans and estimates made by F. H. Dewart, C. E., St. Albans, Vt., looking to the construction of an additional storage reservoir are soon to be passed upon by a special meeting. It is likely that a reservoir of about 2,000,000 gallons capacity will be built by day's work. J. C. Baker, Chn. Bd. Water Comrs., is official in charge.

BURLINGTON, VT.—We are informed that special committee is still investigating matter of improving city water. Present source of supply will probably be used and water improved by filtering. Methods of doing this are now under consideration. F. O. Sinclair is Cy. Engr. and Supt. W.-W.

VERGENNES, VT.—We are informed that committee to investigate question of securing pure water for domestic use may recommend that this be done by filters, either slow sand or mechanical. Present water supply is taken from river and is good apart from its contamination by sewage from up towns and cities. Thomas Mack is Member of Committee.

UXBRIDGE, MASS.—We are informed that no action has been taken as yet by this town for water-works with supply from Henry Wells. Edward Parker is Town Clk. According to press reports steps were being taken to have special meeting for raising $75,000 for the work.

WESTFIELD, MASS.—Contract for laying pipes and furnishing fixtures for the water supply for the militia encampment at this place has been let to M. J. KEARNS, Holyoke, Mass., for $2,000.

NEW LONDON, CONN.—Bids are asked by Constructing Quartermaster, New London, until June 15 for construction of new water system at Fort Michie, N. Y. Bids are also asked by the Constructing Quartermaster, New London, until June 15 for construction of distilling apparatus at Fort Terry, N. Y.

NEW YORK, N. Y.—Bids are asked by Traber Norman, Q. M., U. S. A., Governor's Island, N. Y. Harbor, until June 15 for laying cast-iron water mains and submarine main for water system at Fort Wood.

NEW YORK, N. Y.—Bids are asked by John T. Oakley, Comr. Water Supply, Gas and Electricity, 13 Park Row, until June 14 for hauling and laying water mains in several streets. Bids are also asked for furnishing and delivering white wood plugs, hydrant eye, bridge, casing, tap and packing bolts, rollers and catches, straps and fenders, and for furnishing and delivering pig lead.

DESPATCH, N. Y.—Despatch Water Co. has been incorporated with $10,000 capital and proposes to furnish this village with water. Joseph H. Snow, Fairport, N. Y.; Andrew H. Brown, Penfield, N. Y., and Edward H. Denniston, Rochester, N. Y., are interested.

LAKE PLACID, N. Y.—This village will build a 5,000,000 gallon reservoir and pumping plant. The pumping plant will have one 1,500,000 gallon power pump driven by an electric motor and one 1,500,000 gallon steam pump. Chas. E. Collins, Drexel Bldg., Philadelphia, Pa., is Engr.

PERTH AMBOY, N. J.—Following bids were received May 24 by Water Commissioners, S. J. Mason, Engr., for furnishing 8,000,000 gallon pump for Runyon pumping station, (1) being bid for horizontal type of pump, (2) bid for same pump as (1), without foundation, (3) bid for vertical type of pump, (4) bid for same pump as (3), without foundation: Camden Iron Works, (1) $37,076, (2) $35,594, (3) $37,750, (4) $38,450; Providence Engine Co., (1) $33,100, (2) $31,500, (3) $39,000, (4) $37,900; H. R. Worthington, (1) $30,100, (2) $27,900, (3) $39,600, (4) $37,400; Snow Steam Pump Works, (1) $27,500, (2) $23,000, (3) $38,700, (4) $31,700; Allis-Chalmers Co., (1) $24,965, (2) $23,465, (3) $38,000, (4) $35,500; Marine Engine & Machine Co., (2) $18,700 and $23,500, (3) $34,500 and $39,000, (1) $21,500, $27,500 and $1,000 for foundation; Wililiam Tod Co., (1) $27,955, (2) $26,775, (3) $43,050, (4) $41,950; Holly Mfg. Co., (1) $43,200, (2) $40,600.

CAMDEN, N. J.—Bids are asked by Joseph Potter, Chn. Water Com., until June 13 for furnishing following supplies for ensuing year: Cast-iron pipe and special castings, fire hydrants, water valves, extension valve boxes, sleeves and valves for Smith tapping machine, corporation stop, 10,000 lbs. lead and water meters from ⅝-in. to 10-in. in diameter.

HIGHLANDS, N. J.—See under Light and Power Plants.

WILMINGTON, DEL.—Following bids were received June 5 for pumping engine for city water department, Theodore A. Leisen, Ch. Engr.: William Tod Co., Youngstown, O., $73,000; R. D. Wood & Co., Philadelphia, Pa., $79,000; Holly Mfg. Co., Buffalo, N. Y., $76,769; Allis-Chalmers Co., Milwaukee, Wis., $97,000.

DELAWARE CITY, DEL.—Bids are asked until June 15 for installation of a distilling apparatus, one air receiver, necessary connections to air compressor, 6-in. well and pipe connections to concrete reservoir from well, and construction of 50,000-gallon reservoir at Fort Mott, N. J. Capt. Louis F. Garrard, Jr., Q. M., U. S. A., Delaware City. (Advertised, Engineering News.)

WARRENTON, VA.—We are informed that an election will be held June 13 to vote as to whether to repair and enlarge present reservoir of town or to build a new one to cost $20,000. Howard Murphy, Warrenton, is Des. Engr.

BISHOPVILLE, S. C.—Bids are asked by Water-Works Commission until July 17 for the construction of water-works as follows: Pumping plant and power house, steel tank and tower, 6-in. to 10-in. cast iron mains, hydrants and valves. Chas. C. Wilson, Engr., Columbia, S. C. J. C. Rhame, Clk.

AIKEN, S. C.—We are informed that no contracts have been let for extension of city water-works, and that engineer to make plans is wanted. H. Sudlow is Supt. W.-W., and W. Wessels, Chn. W.-W. Committee, is official in charge.

DAWSON, GA.—J. B. McCrary, Consulting Engineer, Senoia, Ga., has been engaged to prepare plans and specifications for a municipal water and sewerage system, to cost $60,000 or $70,000. Surveys will be begun at once and when estimates are given a bond election will be held.

FORT DE SOTO, FLA.—Bids are asked until June 13 for furnishing material and sinking 8-in. tubular deep well at this post. R. S. Platt, C. Q. M.

HANDSBORO, MISS.—Handsboro Water-Works Co. has been incorporated with $5,000. S. T. Gause and W. S. Seaman are interested.

COOKEVILLE, TENN.—Bids are asked by the Town Council until June 22 for material and construction of water and light plant, embracing pipe line, pole line, power house, reservoir, wells, pumps, boilers, heater, separator, automatic or four-valve engine, single phase alternator, series arc lighting system, transformers, etc. Granbery Jackson, Engr., Nashville, Tenn.; Jesse Arnold, Mayor. (Advertised, Engineering News.)

HOPKINSVILLE, KY.—We are informed that proposed extension of Hopkinsville Water Co., to include an impounding reservoir, will be done by the company itself. Estimated cost of the work is $7,000. Chas. Hermany, Louisville, Ky., is Des. Engr., and T. W. Morris, Supt. W.-W., is official in charge.

AKRON, O.—Akron Water-Works Co., has increased its capital stock from $600,000 to $1,000,000 and will make extensive improvements, according to reports.

BELLAIRE, O.—Board of Public Service is reported to be calling for bids for construction of mechanical filtration plant to cost not more than $35,000.

TRENTON, MICH.—Municipal water-works and electric light plant is stated to have been destroyed by fire May 27, with a loss of about $30,000.

MANISTIQUE, MICH.—Bids are asked by John I. Jennings, Cy. Clk., until noon, June 22, for labor, machinery and materials for construction of water-works. Work consists of brick power house, one 50-HP. producer gas plant, one 750,000-gallon and one 500,000-gallon triplex power pumps, 50-HP. producer gas engine direct connected to 750,000-gallon pump, 35-HP. producer gas engine direct connected to 500,000-gallon power pump, intake crib and suction main to power house, distribution system of seven miles cast-iron mains with hydrants, valves, etc., and steel stand pipe, 15 ft. diameter and 65 ft. high on concrete foundation. Bids will be received also for electric motors in place of gas engines on intake crib and gravity main from Indian River Dam to electric light station, about 8,000 ft. long, and on brick or concrete lined reservoir, 40 ft. diameter and 8 ft. deep. George W. Sturtevant, Engr., Fisher Bldg., Chicago, Ill.

ASHTON, ILL.—We are informed that no contracts will be let this year for private water-works at this place, as city is not yet ready for hydrants. H. A. Bremmer is official in charge. Mentioned April 13.

DECATUR, ILL.—We are informed that no definite action has been taken as yet in regard to rebuilding local water-works; matter, however, will come up later on. A. B. Alexander is Cy. Engr.

DEER RIVER, MINN.—Bids are asked by Archie Stephenson, Village Recdr., until June 13 for laying 6-in. water main and appurtenances.

LAMBERTON, MINN.—Bids are asked by Village Council until June 19 for moving water tower and erecting new steel or wood tank on same and furnishing three blocks of 6-in. water mains, hydrants, etc. J. F. Johnson, Engr., Gibbon, Minn.; Geo. J. Grimm, Village Recdr.

WHEATON, MINN.—Bids are asked by Village Council, G. K. Kristensen, Village Recdr., until June 19 for water-works improvements, consisting of furnishing cast-iron pipe, specials, hydrants, valves and valve boxes, laying of same and construction of brick pump house. Loweth & Wolff, Engrs., First National Bank Bldg., St. Paul, Minn.

LEIGH, NEB.—We are informed that a bond election has not been held as yet for proposed new municipal water-works, est. cost of which is $10,000. Supply is to be obtained from a well. Village Board, H. P. Buhman, Chn., are officials in charge.

KIMBALL, S. DAK.—Bids are asked by this city until 6 p. m., June 15 for construction of compressed air system of water-works, after plans and specifications of National Construction Co., South Bend, Ind. H. C. Smith, Cy. Audr.

RED ROCK, MONT.—We are informed that preliminary work for projected Red Rock irrigation reservoir has not yet been completed. Surveying parties were to commence work May 31, and it was expected that this would be completed in 15 days. Alf. Decker, Red Rock, is interested. According to press reports a reservoir is to be constructed capable of containing water sufficient to irrigate 250,000 acres.

LAKE VILLAGE, ARK.—This town, according to reports, wants complete equipment for water-works using the standpipe system for pressure, including pipes, engine, pumping apparatus, standpipes, etc. G. E. Snell is Mayor.

SHERMAN, TEX.—Bids are asked by Chas. E. Haydon, Cy. Engr., until June 26, for taking down a 20-ft. × 130-ft. standpipe; pipe is composed of 27 rings, of 6 sheets of metal to the ring, and the first 13 rings have their vertical seams double riveted.

FORT SILL, OKLA.—Bids are asked by Robt. R. Stevens, C. Q. M., San Antonio, Tex., until June 14 for construction and erection of 100,000 gallon steel water tank and trestle at Fort Sill.

PASADENA, CAL.—We are informed that no definite plans have been made as yet for extension of water-works. T. D. Allin is Cy. Engr.

SAN DIEGO, CAL.—Public Works Commissioners are stated to have rejected all bids received some time ago for proposed 2,000,000 gallon Mission Valley pumping plant, and have recommended that the $26,000 appropriation be used in improvement of 30th St. water main. G. A. D'Hemecourt is Cy. Engr.

WINNIPEG, MAN.—Time for receiving bids for supply of water pipe and specials for this city has been extended from June 5 to June 19, as is stated in our advertising columns. H. N. Ruttan, Cy. Engr.; C. J. Brown, Cy. Clk.

SEWERAGE.

The names of parties awarded contracts are printed in capital letters.

LAWRENCE, MASS.—The sewer loan ordinance of 1905 has been passed, with provisions that $75,000 be borrowed to be expended as follows: $35,000 on Potters pond sewer; $20,000 on Bloody brook sewer; $20,000 on Osgood St. sewer. A. D. Marble is Cy. Engr.

EAST BOSTON, MASS.—Bids were received May 29 for sewerage works in Bennington St. D. F. O'Connell Co., 6 Beacon St., Boston, was the lowest bidder, at $3,535.

BOSTON, MASS.—Jas. J. Coughlan Construction Co., 19 Worthington St., Boston, were the lowest bidders, at $2,267, for constructing sewerage system at Ft. Andrews, Peddocks Island, Mass. Bids were opened May 29 by Maj. John E. Baxter, 170 Sumner St., Boston.

WATERBURY, CONN.—Plans and specifications are on file at office of Engineering News, 220 Broadway, New York, of Sec. 1 of Main Carrier, a reinforced concrete and brick intercepting sewer. Bids to be opened June 20, as advertised in Engineering News.

DANBURY, CONN.—We are informed that PETER SWEENEY, Montgomery St., Danbury, was awarded contract May 24 for constructing sewer in Terrace Place, at $1,607. A. L. Davis, Cy. Engr.

MOUNT VERNON, N. Y.—The bill creating the commission to build Bronx River Valley sewer at an estimated cost of $2,000,000 was signed May 26 by Governor Higgins. Board of Commissioners is composed of John E. Andrus, Mayor of Yonkers; Wm. Archer, of Mt. Vernon, and John J. Brown, Pres. of village of White Plains.

LONG ISLAND CITY (L. I.), N. Y.—Bids are asked by Jos. Cassidy, Boro. Pres., until June 12 for construction of sewers and appurtenances in portions of ten streets.

BRONXVILLE, N. Y.—Bids are to be opened June 16 for construction of several miles of sewers. Plans may be obtained from C. W. Leavitt, Jr., 15 Cortlandt St., New York, or from the Village Clerk. (Advertised, Engineering News.)

EAST SYRACUSE, N. Y.—Bids are asked by the Board of Sewer Commissioners until June 15 for furnishing materials and constructing septic tank, filter beds, drains, force main and appurtenances, for sewage disposal work. Dr. B. F. Chase, Pres.; Morrison & Farrington, Inc., Engrs., 513 Dillaye Memorial Bldg., Syracuse. (Advertised, Engineering News.)

NEW YORK, N. Y.—The following bids were received May 31 by James F. Ahearn, Boro. Pres., for repair to sewers in (a) Washington St., between Battery Place and Morris St.; (b) in Morris St., between West and Greenwich Sts.; (c) in Greenwich St., between Rector and Thames Sts.; (d) in 24th St., between Ave. A and First Ave.: Jas. Pickington, (a) $6,610, (b) $6,105, (c) $7,038, (d) $6,624; A. F. McGinnes, (a) $7,425, (b) $7,170, (c) $8,070, (d) $7,028; Hugh L. Starr, (a) $6,628, (b) $6,614, (c) $9,702; Cunningham & Kearns, (a) $7,425, (b) $6,892, (c) $7,294, (d) $6,977; T. A. Smith, (a) $7,700, (b) $9,055, (c) $9,325; Jas. F. Galvin, (d) $6,624. Horace Loomis, Ch. Engr. of Sewer Dept.

ALBANY, N. Y.—Bids for constructing sewers in South Pearl St. were rejected and the work ordered readvertised. Isidore Wachsman, Clk. Bd. of Contract and Supply.

NEWTON, N. J.—Plans prepared by Williams & Whitman, Engrs., Whitehall Bldg., New York, for a sewerage system have been approved by the State Sewerage Commissioner. The plans have yet to be approved by the town officers. Cost, $100,000.

CAMDEN, N. J.—An ordinance has been passed by City Council authorizing the construction of sewers, culverts or drains in certain streets and avenues in city of Camden. H. C. Kramer, Clk.; L. E. Farnham, Cy. Engr.

ASBURY PARK, N. J.—S. L. BARTHOLOMEW, of Manasquan, N. J., was awarded contract to furnish and lay 3,500 ft. of sewer pipe in Ocean Ave.

NEW CASTLE, PA.—Bids are asked by A. E. Rhodes, Cy. Clk., until June 12, 8 p. m., for construction of Lacock St. storm sewer.

GETTYSBURG, PA.—The town has voted to construct a sewer system.

ERIE, PA.—Bids were opened June 1, as advertised in Engineering News, for constructing sewers in Waynn and adjacent streets, as follows: JOHN McCORMICK & SON, tile pipe $17,500, concrete $16,239, brick $18,000 (awarded contract); V. D. Eichenlamb, tile $22,707, concrete $22,160; Dennis O'Brien, tile $18,279, concrete $17,279; all of Erie. B. E. Briggs, Cy. Engr.

INDIANA, PA.—Bids are asked until June 15 for installing 5,000 ft., more or less, of 10, 8 and 6 in. sewer pipe, with necessary manholes. R. M. Mullen, Boro. Engr. (Advertised, Engineering News.)

NORTH BRADDOCK, PA.—Thomas Barrett, Wilmerding, Pa., at $1,180, was low bidder June 3 for constructing a pipe sewer for this borough; C. A. Stewart, Boro. Engr.

ROANOKE, VA.—The Crystal Springs Drainage Co. has incorporated with $10,000 capital stock to operate an underground sewerage system in Crystal Springs Land Co.'s property. F. J. Cross is Pres.

ROANOKE, VA.—The city is contemplating spending $125,000 for the purpose of improving its sewerage system. J. H. Wingate is Cy. Engr.

SHELBY, N. C.—Town is considering the construction of sewerage system and water-works. J. L. Suttle is Mayor.

MOULTRIE, GA.—The city contemplates issuing $25,000 of bonds for construction of sewerage system. Address the Mayor.

MOULTRIE, GA.—The city contemplates issuing $25,000 in bonds for sewerage purposes. Address the Mayor for information.

FORT McPHERSON, GA.—Bids are asked until June 15, 11 a. m., for construction of one manhole and approximately 230 ft. of sewer main. Capt. B. B. Buck, C. Q. M.

DAWSON, GA.—Jos. D. McCrary, of Senoia, Ga., has been engaged by city to make estimates of cost of complete sewerage system and water-works. Previously noted.

HAMMOND, LA.—It is stated that the city has engaged C. H. Jenks, Engr., of Fayette, Miss., to supervise the construction of sewerage system and water-works, for which $30,000 bonds has been voted.

HOPKINSVILLE, KY.—We are informed that R. C. Hardwick, of Hopkinsville, purchased the sanitary sewerage franchise May 27 for this city, at $1,134. Ten miles to be constructed in one year, and work must begin within 60 days. An engineer is wanted at once.

MAYFIELD, KY.—Bonds to the amount of $100,000 will probably be issued by city for sewers and street improvements. Address the Mayor.

AKRON, O.—A $40,000 intercepting sewer will be built in South Akron. J. W. Payne is Cy. Engr.

CINCINNATI, O.—We are informed that the contract for sewering Quebec, Jonte and Glenway Aves. was awarded by Board Public Service May 29 to THOS. P. STRACK, 716 East McMillan St., Cincinnati, for $24,535.

YOUNGSTOWN, O.—City Clerk has been authorized by Board Public Service to advertise for bids on a number of proposed improvements. They include sewers on Garfield, Iron and Pyatt Sts. and Falls Ave. F. M. Lillie is Cy. Engr.

ALLIANCE, O.—Resolutions declaring it necessary to construct sanitary sewers in various streets have been passed by City Council. O. W. Pfouts, Cy. Engr.

CINCINNATI, O.—Bids are asked by Board Public Service until June 9 for constructing a brick sewer in Colerain Ave. Est. cost, $15,367. Geo. F. Holmes, Clk.

Bids were received May 29 for constructing sewer in Basset Road, as follows: McCarly Bros., $10,812; J. E. Mahoney, $10,060; J. D. Washburn & Co., $10,991; Keeling & Ridge Co., $10,898; Jno. Ruble & Bro., $10,835. All bidders of Cincinnati.

CLEVELAND HEIGHTS, O.—Bids are asked by Village Council until June 27 for constructing sewers in Mayfield Road, of brick, concrete and vitrified pipe. Wm. H. Evers Engineering Co., Engrs., 237 Arcade Bldg., Cleveland.

LONDON, O.—Bids are asked by John W. Byers, Vil. Clk., until June 26 for constructing a sanitary sewer and disposal works.

LAPORTE, IND.—Bids will be received until June 12 for construction of a brick sewer about 2,600 ft. C. E. Wolfe, Clk.; H. Burner, Engr., Laporte.

INDIANAPOLIS, IND.—Bids are asked by Board Public Works until June 12 for construction of pipe sewers in Ingram St. and an alley. M. A. Downing, Pres.

GREENSBURG, IND.—Bids are asked by Bert Morgan, Cy. Clk., until June 27 for the construction of 18 miles of sanitary pipe sewers, and sewerage disposal plant; also for three miles of storm pipe sewer. Estimated total cost of work is $135,000. Wm. B. Ewing, Engr., 1003 Chamber of Commerce, Chicago, Ill. (Advertised, Engineering News.)

NEW ALBANY, IND.—It was decided by Judge Utz that the contract between city and Marion County Construction Co. for a sewer system is valid. The contract was entered into by Council and Mayor Crose refused to approve it. The contract involves about $207,000.

GAS CITY, IND.—A sewer extending from Fourth St. to river will be built in Gas City. Est. cost, $9,000.

COLUMBUS, IND.—Resolution was passed by Common Council, June 1, for 2,574 ft. of main sewer. June 19 has been set aside for hearing of property owners. Geo. Vorwald, Cy. Clk.; W. H. Rights, Cy. Engr.

BROOKVILLE, IND.—The Town Board contemplates putting in about 800 to 1,000 ft. of 12 and 15-in. pipe storm water sewer in the near future. Karl L. Hanson, Engr., Connersville, Ind.

MANISTIQUE, MICH.—Bids are asked by John T. Jennings, Cy. Clk., until June 22 for labor and materials for constructing sewers in certain streets and avenues. George W. Sturtevant, Engr., Fisher Bldg., Chicago, Ill.

GREENVILLE, MICH.—The Riggs & Sherman Co., 613 The Nasby, Toledo, O., have been employed to prepare plans for a complete sewer system at Greenville. Only the trunk sewer will be built this season. Plans will not be ready until the middle of July. Previously noted.

DECATUR, ILL.—We are informed that the city will soon advertise for bids for construction of a sewer in Sangamon St. Est. cost, $3,256. A. B. Alexander, Cy. Engr.

KENOSHA, WIS.—All bids were rejected for constructing sewers. Work will be readvertised. Geo. W. Harrington, Cy. Clk.

VINTON, IA.—Bids will be received until June 16 for preparing plans and specifications for the establishing of a sewer system. W. E. Klingaman, Cy. Clk.

CLINTON, IA.—The city of Clinton, we are informed, has voted a special tax for sewer purposes and proposes to expend about $250,000 on sewers. Bids will be called for in about 60 days. Chas. P. Chase, Cy. Engr.

LE SUEUR, MINN.—Bids are asked until June 16 for construction of 1,020 ft. of sewer. Theo G. Mahler, Cy. Clk.

NATIONAL MILITARY HOME, KAN.—Bids are asked by Maj. W. W. Martin, Treas. Western Branch, N. H. D. V. S., until June 27 for sewer pipe and surface drainage.

NORFOLK, NEB.—City Council has taken steps looking to the putting in of a sewerage system.

LINCOLN, NEB.—It is stated that the City Council will shortly be ready to advertise for bids on construction of sewerage system. Geo. L. Campen is Cy. Engr.

NORTH PLATTE, NEB.—We are informed that all bids received May 25 for construction of sewers in this city have been rejected. Lowest bid was $35,500. Chas. Sameison is Cy. Clk.

UNIVERSITY PLACE, NEB.—Bids are asked by T. M. Wimberly, Cy. Clk., until June 17 for construction of a system of sewerage.

NORFOLK, NEB. — Andrew Rosewater, Engr., of Omaha, has been employed by City Council of Norfolk to make preliminary survey for proposed sewerage system.

FORT SAM HOUSTON, TEX.—Bids will be received until June 14, 11 a. m., for construction of sewer system and water distributing system. L. J. Fleming, C. Q. M.

FORT WORTH, TEX.—Plans are being prepared for a sewer system. John B. Hawley, Cy. Engr. Est. cost, $70,000.

PORTLAND, ORE.—Chas. Wanzer, Cy. Engr., is preparing specifications and estimate of cost of proposed Brooklyn district sewer, which will be the largest conduit ever built in the city. Cost, about $200,000. Plans are finished and right-of-way has been secured. It is expected that bids will be asked at next meeting of council.

SAN FRANCISCO, CAL.—Contract for pipe sewer in H St. has been let to CITY STREET IMPROVEMENT CO., Mills Bldg., San Francisco, for $7,528. The same company received contract for constructing sewer in Mission St., at $11,563.

Sewer bonds to the amount of $724,800, and street pavement bonds to the amount of $243,000, have been sold. This money will be expended during coming fiscal year ending June 30, 1906. Bonds to same amount will then have been sold to continue work the next year. Thos. P. Woodward, Cy. Engr.

REDDING, CAL.—According to the result of election, a bonded indebtedness of $130,000 will be incurred by city, of which sum $60,000 will be used for sewer extension and $70,000 for street improvements.

SAN FRANCISCO, CAL.—The Board of Supervisors have set aside and made available $13,587 towards the engineering expenses for sewers and pavements proposed under bond issue. This is 2½ per cent. of $543,500, the estimated cost of those improvements at present under consideration. Thos. P. Woodward, Cy. Engr.

BOISE, IDAHO.—Lateral sewer districts have not yet been organized and bids may not be received for several months. Godfrey Sperling, Cy. Engr.

MEDICINE HAT, N. W. T.—Town Council has voted $60,000 for sewerage. W. T. Finlay is Town Clk.

GARBAGE DISPOSAL.

The names of parties awarded contracts are printed in capital letters.

WEEHAWKEN, N. J.—Bids are asked until 8 p. m., June 12, for removal of garbage in such intervals as may be designated by council from time to time. Francis F. Tonn is Town Clk.

HOBOKEN, N. J.—Bids are asked until 8 p. m., June 14, by James H. Londrigan, Cy. Clk., for removal of ashes and garbage, rubbish, street sweepings, etc.

PHILADELPHIA, PA.—A. Lincoln Acker, Director Dept. Public Works, has given notice that "the request of this department by public advertisement, for proposals for the cleaning of streets, private alleys, inlets and public market houses, and for the removal of ashes, sweepings, cut grass and other waste during the year 1906, which were to be opened on June 1, 1905, has been revoked, and no proposals under said order will be received by this department."

WASHINGTON, D. C.—The WASHINGTON FERTILIZER CO., of this district, has been awarded the contract for collecting and disposing of garbage in district for next five years, at $78,400 a year.

NEW ORLEANS, LA.—At a recent meeting of the Police and Public Buildings Committee of Council, a representative of Willis J. Roussel appeared before the committee, and, on behalf of Mr. Roussel and those associated with him, offered to collect and dispose of the city's garbage, provided the city made a contract with the firm, guaranteeing to give all of the garbage to the company for a period of 25 years, this contract to be an exclusive one. It is planned by Mr. Rousel to build a $75,000 garbage disposal plant. City Attorney will prepare an ordinance covering the franchise.

KANSAS CITY, MO.—An ordinance providing for the letting of a contract for the removal of garbage on monthly payments, and embodying the specifications for such contracts, has been approved by the board of health. As soon as the ordinance is passed by the city council the board of health will advertise for bids for the collection and disposition of garbage in the entire city or within given districts.

ST. LOUIS, MO.—Board of Public Improvements has matter of new garbage ordinance under consideration.

FORT WORTH, TEX.—R. L. Crowdus and J. S. Noel have been granted contract to dispose of city garbage for ten years, providing a crematory be erected by the contractors.

SACRAMENTO, CAL.—City Trustees have voted to install a Meldrum garbage destructor, manufactured by the Dundon Iron Works Co., of San Francisco, at cost of $12,698. Plant will have capacity of 40 tons a day.

LOS ANGELES, CAL.—The De Carie Mfg. Co., 23 South Second St., Minneapolis, Minn., will receive bids until June 20 for construction of a building for a garbage incinerator. This company was recently awarded contract, at $70,864, for a garbage incinerator.

OTTAWA, ONT.—N. J. Ker, Cy. Engr., states that bids will be received soon for the construction of a garbage plant of 50 tons capacity. Cost, about $20,000.

STREETS AND ROADS.

The names of parties awarded contracts are printed in capital letters.

PORTLAND, ME.—Spring and Portland Sts., Cumberland and Pleasant Aves. will be paved with the bitulithic pavement, contract having been awarded the WARREN BROTHERS CO.

BURLINGTON, VT.—Bids are asked by Capt. T. B. Lamoreux, Q. M., Burlington, until June 10, 2 p. m., for constructing roads and walks at Fort Ethan Allen, Vt.

SALISBURY, MASS.—F. F. O'NEIL, of Newburyport, has been awarded contract for constructing a section of highway in Salisbury at $2,578.

WORCESTER, MASS.—Contract has been awarded the WARREN BROTHERS CO., 93 Federal St., Boston, to pave with bitulithic pavement Main St., from Hawthorn to Hammond, and Bloomingdale Road.

SOMERVILLE, MASS.—Medford and Pearl Sts. and Gilman Square will be paved with bitulithic, contract having been awarded to the WARREN BROTHERS CO.

ERVING, MASS.—Contract for constructing a section of state highway here has been awarded to BRUNO & MILANO, 293 North St., Boston, for $3,570.

ROCHESTER, N. Y.—CHAMBERS & GRADY, of Rochester, were awarded contract May 24 for paving Flint St. with Johnsonburg brick, at $14,800.

SCHENECTADY, N. Y.—Ordinance for grading, paving and curbing a portion of Elmer St. has been passed by Common Council.

OXFORD, N. Y.—The contract for macadamizing in Oxford has been let to FRANK PIDGEON, of Saugerties, N. Y., for $10,003. Morrison & Farrington, Engrs., Syracuse, N. Y. Bids were opened June 1, as advertised in Engineering News.

LONG ISLAND CITY (L. I.), N. Y.—Bids are asked by Jos. Cassidy, Boro. Pres., until June 12 for regulating, grading, curbing and paving portions of several streets.

ELMIRA, N. Y.—Contracts for paving Maple Ave. and West Clinton St. with asphalt has been awarded to COSTELLO & NEAGLE, of Elmira, for $2.15 per sq. yd. Fred. Leach, Cy. Engr.

GLOVERSVILLE, N. Y.—Contract for asphalt block paving on First Ave., bids received June 5, has been let to the HASTINGS PAVEMENT CO., 25 Broad St., New York, for $22,468.

WEEHAWKEN, N. J.—Township Committee of North Bergen awarded contract for grading and paving of gutters, curbing and flagging of Fifth St. to AUGUST THIEL for $5,150.

KEARNY, N. J.—Contracts for macadamizing Chestnut and Devon Sts. were awarded by Town Council to DAVID HARPER for $1,736 and $6,108, respectively.

PATERSON, N. J.—We are informed that the contract for paving Bank, Clark, De Grasse, Grand, Marshall, River, Ryerson and Union Sts., and Hamburg Ave. and Lee Place with Bermudez asphalt has been awarded to JOHN R. LEE, of Paterson. Contract for paving Broadway with asphaltic macadam, from East 33d St. to Passaic River, has been awarded to BARBER ASPHALT PAVING CO., of Newark, N. J. H. J. Harder, Cy. Engr.

FREEPORT, PA.—Contract for paving here was awarded by Council to FRESHWATER & SONS, of Cumberland, Md. All bids for brick were rejected and new bids will be taken.

BELLEVUE, PA.—Bids are asked by J. M. Simeral, Clk. of Council, until June 15, 4 p. m., for grading, curbing and paving Orchard and Hawley Aves., Howard and Vine Sts., and Hallett Place. Approximate quantities: 12,160 cu. yds. of grading, 11,220 lin. ft. of stone curbing, 17,235 sq. yds. of paving. John M'Brice, Boro. Engr., 46 Fidelity Bldg., Pittsburg.

CHESTER, PA.—Barber Asphalt Paving Co. was the only bidder for paving of Sixth St. Their bid was $2.18 per sq. yd., with a ten-year guarantee. The contract was not awarded. F. W. Harrison, Cy. Clk.

FREDERICK, MD.—Bids are asked by Geo. E. Smith, Mayor, until June 12 for laying approximately 5,877 sq. yds. of vitrified fire-clay blocks or vitrified shale-block pavement and setting approximately 2,230 lin. ft. of straight granite curbstone and 136 ft. of circular curbstone corners. Oscar B. Coblentz, Consult. Engr., Frederick.

FORT HOWARD, MD.—Bids are asked until June 12 for macadamizing roadway and cement sidewalks at Fort Howard. Capt. Wm. Cruikshank, A. C. Q. M.

WASHINGTON, D. C.—We are informed that the Cranford Paving Co., Home Life Bldg., Washington, D. C., at the opening of bids May 31 for paving and curbing and constructing catch-basins and drains on road on U. S. Reservation at South (Virginia) end of Aqueduct Bridge crossing Potomac River at Washington, D. C., offered to do the entire work for $9,000. Capt. A. W. Butt, Q. M., U. S. A.

WASHINGTON, D. C.—Bids are asked until June 15, 2 p. m., for grading at Arlington National Cemetery, Va. Capt. A. W. Butt, Q. M., U. S. A., Washington, D. C.

RICHMOND, VA.—Contract for street paving has been let to the WASHINGTON ASPHALT BLOCK & TILE CO., of Washington, D. C., at $50,000.

CENTRAL CITY, W. VA.—Bids will be received by Paving Committee, A. W. Hickman, Chn., until June 21 for paving Washington Ave. with vitrified paving brick, approximately 34,500 sq. yds. L. W. Leete, Cy. Engr.

BLUEFIELDS, W. VA.—PFAFF, RINGWALD & SMITH, of Chillicothe, O., were awarded contract for paving on Princeton Ave., about 10,600 sq. yds., with brick block. Bids were opened May 22, as advertised in Engineering News. Geo. H. Hill, Cy. Engr.

HUNTSVILLE, ALA.—The MILLER PAVING CO., of Memphis, Tenn., was awarded contract for paving around government building here. Cost, $3,000.

CHATTANOOGA, TENN.—City will vote on the issuance of $150,000 of bonds for street and sewer improvements. Robt. Hooke is Cy. Engr.

CINCINNATI, O.—Bids are asked by Board Public Service until June 26 for improving Second St., requiring about 32,000 sq. yds. of granite paving, 7,000 cu. yds. of grading and 4,000 ft. of curb and crossings. Est. cost, $116,450. J. E. Breen, Cy. Engr.

Bids will be received at the same time and place for improving [illegible] St. with bitulithic pavement. Est. [illegible] $11,693.

The following bids w[illegible] received by Board Public Service May 2[illegible] [illegible] Paving Park Ave. with asphalt: Clevelan[illegible] [illegible] Paving Co., $7,349; Kirchner Con[illegible] [illegible] Co., $6,84[illegible]; Henkel & Sullivan, $7[illegible] Barber Asphalt Paving Co., $6,696.

WARREN, O.—We a[illegible] [illegible]formed that bids were received May 23 [illegible] [illegible] Board Road Commissioners. J. C. Hassle[illegible] for construct-ing about 13½ miles o[illegible] [illegible] macadam roads, the contract being let to V[illegible] [illegible] & CO., Niles, O., for $47,765.

LANCASTER, O.—Bi[illegible] be advertised for some time in July [illegible] paving of Mulberry St. with brick, [illegible] yds. John N. Wolfe, Cy. Engr. P[illegible] [illegible]ly noted.

TOLEDO, O.—Bancro[illegible] will be paved with kreodone blocks b[illegible] [illegible]ELL & JENNISON. Cost, $18,812.

SANDUSKY, O.—Contr[illegible] paving Railroad St. and Columbu[illegible] [illegible]ip has been awarded by Board Publ[illegible] [illegible]ice to JOHN McKEAN for $10,639.

MARYSVILLE, O.—We [illegible] informed that the contract for paving [illegible] and South Court St. has been aw[illegible] [illegible] JARDINE, BREWER & TOMLINSON, [illegible] Chillicothe, O. J. C. Kennedy, Vil. Engr.

MASSILLON, O.—Bids w[illegible] received until June 12 for about 19,0[illegible] yds. of street paving. Harold Howald, [illegible] Cy. Engr.

CINCINNATI, O.—Bids [illegible] asked by County Commissioners until June 23 for improving intersection of Springfield and Princeton pikes in Glen[illegible] [illegible] Springfield Township. Eugene L. Lewis, County Audr.

NAPOLEON, O.—Bids are asked by F. J. Beck, County Audr., until June 20 for constructing roads.

CANWERT, O.—All bids were rejected for constructing Feasly turnpike road, No. 47. J. S. Sponseller, Rd. Comr.

CLEVELAND, O.—Contract for paving Edgewater Parkway with macadam has been let to SPENCE BROS., 2923 Euclid Ave., for $5,537.

CINCINNATI, O.—Bids are asked by Board Public Service until June 14 for grading, curbing and paving with bitulithic on McAllister St. Geo. F. Holmes, Clk.

MT. VERNON, O.—Bids will soon be advertised for improving East High St.: part brick, about 8,000 sq. yds., and 18,000 sq. yds. of gravel; 8,000 lin. ft. of curbing, 8,000 lin. ft. of drain tile, 3,000 sq. ft. of stone crossings, etc. A. Cassil, Engr.

CINCINNATI, O.—Bids were opened by Board Public Service June 5 for improving Fifth and Poplar Sts. with asphalt. Barber Asphalt Paving Co. was lowest bidder for work, at $2,508 and $4,122, respectively.

CINCINNATI, O.—Henkel & Sullivan, of Cincinnati, were the lowest bidders, at $7,797, June 5, for paving of Pike St. with bitulithic.

Bids are asked by Board Public Service until June 28 for improving Linwood Ave. with bitulithic, requiring about 29,000 ft. of granite curb, 35,000 cu. yds. of grading and 43,860 yds. of paving; est. cost, $174,557. J. E. Breen, Cy. Engr.

YOUNGSTOWN, O.—Bids are asked by Board Public Service until June 12 for grading of Breaden St. G. T. Prosser, Clk.

CLEVELAND, O.—Bids are asked by County Commissioners until July 1 for the grading, draining and paving with brick of the South Rocky River bridge approach. Julius C. Dorn, Clk.; Wm. H. Evers, Engr.

BROOKVILLE, IND.—We are informed that nothing more has been done in regard to the improvement of 11th and Franklin Sts. All bids were rejected unopened. Karl L. Hanson, Engr., Connersville, Ind.

RICHMOND, IND.—Bids are asked by County Commissioners until June 10, 11 a. m., for construction of two bridges and one concrete arch. John F. Dynes, Chn.

INDIANAPOLIS, IND.—Bids are asked by Board Public Works until June 12 for constructing cement sidewalks on portions of five streets. M. A. Downing, Pres.

GRAND RAPIDS, MICH.—West Bridge St. hill will be graded and graveled at an expense of about $30,000. L. W. Henderson, Cy. Engr.

GRAND RAPIDS, MICH.—East Bridge St. will be paved with Medina stone this summer. L. W. Anderson is Cy. Engr.

DECATUR, ILL.—We are informed that the city will soon ask for bids to pave North College St. A. B. Alexander, Cy. Engr.

EAGLE, ILL.—Bids are asked by Commissioners of Highways until June 10 for construction of gravel roads. Plans and specifications on file in office of Town Clerk.

PARIS, ILL.—The Board Local Improvements will expend about $30,000 in paving and sewer work this summer. W. T. Blackburn is Cy. Engr.

SPRINGFIELD, ILL.—We are informed that an ordinance is being prepared to provide for paving of Second St. Frank H. Hamilton, Cy. Engr.

KEWANEE, ILL.—It is stated that East Second St. will be paved this season with either asphalt or brick.

FREEPORT, ILL.—Bids were received June 3 by Board Local Improvements, G. W. Graham, Cy. Engr., for paving Liberty St. with brick, the contract being let to M. FORD, Cedar Rapids, Ia., for $36,342.

EAST ST. LOUIS, ILL.—JOHN LAUDENBERG has been awarded contract to grade Trendley Heights subdivision to East St. Louis; there are approximately 40,000 yds. of earth to move. Bids have been opened for the sewering and building of granitoid walks on four streets in subdivision, but the contracts have not yet been awarded. W. J. Crocken is Engr.-in-Charge.

BARABOO, WIS.—Bids will be received by City Clerk until June 14 for constructing macadam pavements and concrete gutters, crossings, approaches, etc., on Second St. and Second Ave. Geo. Andrews, Chn. St. Com.

MAR... TTE, WIS.—Bids will be received until J... 19 for paving Main St. with brick. M. H. M...xwell, Cy. Clk.

SUPE... R, WIS.—Board Public Works awarde... contract for paving Hammond Ave. ...ERG & OLSON for $14,943, and for pa... West Fourth St. to C. H. BIRD, at $8...

DES ...INES, IA.—Bids are asked by Board ...lic Works until June 15 for paving ... vitrified brick on Forest Ave., Charle... nd Grove Sts. John W. Budd, Cy. Engr.

SOU... OMAHA, NEB.—Plans and specificatio... ave been prepared by Herman Beal, Cy. E... for paving about 39,018 sq. yds. with ... block on concrete base. No time has ... een set for receiving bids. Est. cost, ...937.

FO... A. RUSSELL, WYO.—Sealed proposals ... be received until June 15, 2 p. m., for ...ruction of about 14,000 sq. ft. of sidew... Capt. W. S. Scott, Q. M., U. S. A., C...nne, Wyo.

GRE... T FALLS, MONT.—City Council is consid...ng what material shall be used for repav... of Central Ave. D. L. Ellis is Cy. Engr.

IN...PENDENCE, MO.—We are informed that ...ntract for paving East Pacific St., with ...k for a length of 900 ft. and a width of 22 ... has been let to JNO. E. LEWIS, Independence. Bids were received May 25. H. H. Pendleton is Cy. Engr.

ST. JOSEPH, MO.—Mayor has signed the ordinance providing for the paving of Eleventh St., a distance of 11 blocks. Est. cost $15,000. W. H. Floyd, Jr., is Cy. Engr.

SAN MARCOS, TEX.—City will vote on a $3,000 bond issue for street improvements. Address the Mayor.

GRAND JUNCTION, COLO.—Bids will be received by Chas. E. Burton, Supt., until June 17 for constructing 11,400 sq. ft. of cement sidewalks.

SPOKANE, WASH.—Peter Costello, of Spokane, was the lowest for grading, curbing and laying sidewalks on the following streets: Ninth Ave., $2,840; Cannon St., $2,900; Sharp Ave., $2,140, and Sixth Ave., $3,960.

SPOKANE, WASH.—Board Public Works has recommended to City Council that Knox Ave. be graded, curbed and sidewalked with cement. Est. cost, $4,174. A. F. Gill is Cy. Engr.

BELLINGHAM, WASH.—The contract for paving Elk St. with asphalt was awarded by Board Public Works to STIRRIT & GOETZ, of Seattle, for $22,946.

ST. JOHNS, ORE.—It is stated that Burlington, Philadelphia and Richmond Sts. will be improved.

SAN FRANCISCO, CAL.—Contract for widening roadway of Mission St. eight feet and paving with basalt blocks was awarded to FLINN & TREACY, 302 Montgomery St., San Francisco, for $39,649. Thos. P. Woodward, Cy. Engr.

SAN FRANCISCO, CAL.—See under Sewers.

BOISE, IDAHO.—Sealed bids will be received by Idaho Inter Mountain Wagon Road Commission, at office in Capitol Bldg., Boise, until June 27, for building and completion of a wagon road from Warren to Big Creek. Also for building a bridge over south fork of Salmon River and for changing of portion of road between Payette Lake and upper Payette Lake. Address Chas. W. Luck, Weiser, Idaho.

TORONTO, ONT.—City Engineer has recommended the following improvements: Sewers, $1,430; grading, $5,032; macadam, $33,000; brick pavements, $12,500; asphalt, $26,000, and concrete walks, $15,544.

KINGSTON, ONT.—We are informed that the city expects to build over two miles of artificial stone walks this summer. The work is done by the city by day labor. H. B. R. Craig, Cy. Engr.

BRANTFORD, ONT.—Contract for constructing cement sidewalks, bids for doing which were received May 25 by Board Public Works, has been let to T. HARRY JONES, Cy. Engr. The length to be paved is 10,000 ft., and the width is from 4 ft. to 8 ft.

VANCOUVER, B. C.—The city will expend $350,000 in street improvements this summer. Thos. H. Tracy is Cy. Engr.

MANUFACTURING PLANTS.

The names of parties awarded contracts are printed in capital letters.

SALEM, MASS.—Geo. C. Vaughn is at the head of a company which is planning to erect a large factory for making leather.

LYNN, MASS.—Wheeler & Betton, Archs., 59 Exchange St., Lynn, have plans for a brick block for Catherine McGarry, to be used for shoe manufacturing.

PROVIDENCE, R. I.—The FOSBURG CO., 6 Beacon St., Boston, Mass., has been awarded contract for constructing new machine shop buildings and alterations for Brown & Sharpe Co., Providence. Cost, about $100,000.

BROOKLYN, N. Y.—General contract for carriage factory for Duhamel & Brueckner, 368 Marcy Ave., Brooklyn, has been awarded to JOHN AUER & SONS, 957 Broadway, Brooklyn. Owners will need engine, light and heating machinery. Andrew Rissler, Arch., Broadway and Myrtle Ave., Brooklyn. Brick, 4 stories, 25 × 100 ft. Cost, $18,000.

NEW YORK, N. Y.—W. J. Dilthey, Arch., 1 Union Square, has plans for a factory building for J. J. Latteman, 465 West Broadway. Cost, $80,000.

Buchman & Fox, Archs., 11 East 59th St., are taking figures on a candy factory to be erected at 416-18 West 45th St., for Stern & Saalberg, 448 West 43d St. Brick and steel, 6 stories, 50 × 100 ft. Cost, $75,000.

NEW YORK, N. Y.—Henry Ives Cobb, Arch., 115 Broadway, is taking figures on new factory to be erected at 115-17 East 29th St., for Richard A. Hudnut, 44 East ...th St. Brick, 11 stories, 50 × 100 ft. Engines, boilers, steel stacks, coal handling machinery, electric wiring, etc. Cost, $300,000.

BINGHAMTON, N. Y.—Innes-Demarest Co., manufacturers of stoves, will erect a foundry and manufacturing plant soon. S. O. & H. A. Lacey are Archs., Binghamton. Cost, $30,000.

DUNKIRK, N. Y.—The American Locomotive Co. has appropriated $200,000 for a new foundry and boiler shop for the Brooks works in this city.

BROOKLYN, N. Y.—Louis Danancher, Arch., 255 East New York Ave., Brooklyn, has plans for factory building for Isaac Slater, 152 Glenmore Ave. Cost, $49,000.

NEW YORK, N. Y.—The American Locomotive Co., 25 Broad St., New York, will immediately begin the construction of a specially equipped plant for the manufacture of the Berliet automobile.

JERSEY CITY, N. J.—The Magnus Metal Co. has purchased property, at Ninth and Tenth Sts. for the erection of a foundry. Brick, 1 story, 75 × 100 ft. Cost, $19,000.

NEWARK, N. J.—E. V. Warren, Arch., Newark, is taking figures on a factory for Gioibe McGovern Co. Boilers, motors, shafting, belting, elevator, generators, etc. Brick, 3 stories, 50 × 100 ft.

JERSEY CITY, N. J.—J. T. Rowland, Jr., Arch., 15 Exchange Place, Jersey City, has plans for a manufacturing plant to be erected in Jersey City for M. Cahn & Bro., 41 Warren St., New York, manufacturing chemists.

The Jas. J. Reilly Repair & Supply Co. has decided to extend its foundry and machine shop. Cost, $12,000.

Wm. A. Tilton, Arch., 76 Montgomery St., has prepared plans for the American Ferment Co., 81 Steuben St., for four-story brick factory, 42 × 150 ft., at Bergen and Kearney Aves.

PATERSON, N. J.—We are informed that contracts for new 38 ft. × 90 ft., 2-story machine shop for Garside Mfg. Co. have been let as follows: Masonry work, A. VER DUIN; carpentry, LOUIS GOTLIEB; plumbing, CHAS. A. KASSE; roofing, COMMONWEALTH ROOFING CO.; painting, McCARTHY & SMITH; all contractors of Paterson. Est. cost of building is $6,500, and gas engine and steam heat are to be installed. Vermeulen & Vreeland, Archs., Paterson.

HOBOKEN, N. J.—The Brunswick-Balke-Collander Co., 227 Fourth Ave., New York, care of A. F. Troescher, has plans in progress for a factory to be located at Hoboken, covering 30 city lots. Brick and steel, fireproof, 10 stories, 220 × 400 ft. Boilers, engines, blowers, generators, motors, electric wiring, pumps, coal handling, coal handling machinery, heating, brick stacks, woodworking machines, pattern shop, foundry and machine shops. Cost, $2,000,000.

SHENANDOAH, PA.—Emil Hartmann, Arch., 514 Walnut St., Philadelphia, has plans for five-story addition to brewery, at Shenandoah, for Columbia Brewing Co.

TOPTON, PA.—De Long & Son will have plans prepared for a furniture factory at this place. Brick, 4 stories, 50 × 200 ft.

SCRANTON, PA.—The Youngstown Wall Plaster Co., 109 Franklin Ave., will have plans started at once for a manufacturing plant. Complete equipment will be required.

READING, PA.—The CHAS. McCAUL CO., 10 North 11th St., Philadelphia, has received contract for additions to locomotive repair shops of Philadelphia & Reading R. R. Co. Cost, $400,000.

PHILADELPHIA, PA.—Kurt W. Penchert, Arch., 310 Chestnut St., is preparing plans for the remodeling of a brewery.

Contract for factory at 20th and Allegheny Sts., for the Keystone Lubricating Co. has been awarded to JOHN W. EMERY, 1524 Sansoon St. Brick, 2 stories, 40 × 150 ft.

SCRANTON, PA.—S. SYKES & SON, 1235 Pennsylvania Ave., have received contract for machine shops and weaving rooms for the Scranton Lace Curtain Co.

The same firm has received contract for an addition to Lackawanna mills.

HARRISBURG, PA.—H. E. AHREN & BRO., Lewistown, Pa., have been awarded contract for a car repair shop for Pennsylvania R. R. Co. Brick, 1 story, 25 × 250 ft.

PHILADELPHIA, PA.—Henry G. Dagit, Arch., 435 Chestnut St., has plans for alterations to factory at Frankford for Neill Bros.

Ballinger & Perrot, Archs., 1200 Chestnut St., have plans ready for bids for a two-story factory building, 50 × 150 ft., at 23d and Dauphin Sts., for the American Electric Lamp Co.

NORRISTOWN, PA.—Ballinger & Perrot, Archs., have plans ready for bids for a four-story power house and addition to factory, at Norristown, for Rambo & Regar.

PHILADELPHIA, PA.—We are informed that the contract for erection of factory for the Excelsior Underwear Co. will soon be let. Electric light and power and steam heat. Savery, Scheetz & Savery, Archs., Stephen Girard Bldg. Cost, $10,000. Previously noted.

NORRISTOWN, PA.—Ballinger & Perrot, Archs., Philadelphia, have received bids, and will soon award contracts for power house and addition to factory of the Globe Knitting Mills.

BALTIMORE, MD.—Wallace Stebbins & Sons, Lombard and Charles Sts., will erect an additional story on their machine shop to cost $6,000.

M. S. Levy & Sons, straw hat manufacturers, contemplate a $100,000 addition to their six-story factory and warehouse at Paca and Lombard Sts.

Plans are being prepared by Geo. Clothier, Jr., Loeb Bldg., Baltimore, for factory for National Envelope Co., to consist of two fireproof buildings, three stories, 60 × 300 ft. Electric light and power, elevators, prism glass, slag roof, steel rolling doors, ventilators, toilet rooms and offices. Architect will sublet all contracts. Cost, $40,000. Previously noted.

Bids will be received until June 10 for construction of buildings to be erected at Canton for the Crown Cork & Seal Co., to include power house, factory building and storage warehouse. The mechanical equipment of plant is not included in general contract. Chas. M. Anderson is Arch., 324 North Charles St., Baltimore.

Henry Sonneborn & Co., Eutaw and German Sts., will erect, it is stated, a clothing factory, at Pratt and Paca Sts. Brick, 6 stories, 250 × 140 ft. Cost, $250,000.

RICHMOND, VA.—Binswanger & Co. will rebuild factory reported burned last week at a loss of $75,000.

LOUISBURG, N. C.—R. T. Carlisle, of Louisburg, wants machinery and equipment for candy factory.

LATTA, S. C.—W. J. B. Campbell contemplates establishing plant to manufacture soda water and other non-alcoholic beverages.

MONTEZUMA, GA.—The Montezuma Compress Co. will add new machinery to its plant.

FARMERVILLE, LA.—W. F. Jackson, of Farmerville, will be in the market for woodworking machinery.

TOLEDO, O.—The Standard Mfg. Co., Girard St., has had plans drawn for repairing and rebuilding its plant, which was recently destroyed by fire. Cost, $15,000.

TOLEDO, O.—The Craig Shipbuilding Co. is contemplating the erection of an addition to its plant.

CINCINNATI, O.—Plans for a cracker bakery for Kroger Grocery & Bakery Co. are being prepared by Jos. G. Steinkamp & Bro., Archs., Mercantile Library Bldg. Cost, $40,000.

CINCINNATI, O.—Martin Fisher, Arch., 2156 Central Ave., Cincinnati, has plans ready for bids for Ohio Pattern Works. Brick, 2 stories, 41 × 127 ft.

MANSFIELD, O.—Fire damaged the plant of the Ohio Brass Works to the extent of $100,000.

ANDERSON, IND.—The Indiana Union Traction Co. contemplates the erection of brick and concrete car shops, to cost about $170,000. Philip F. Jeckel, Arch., 1123 Schiller Bldg., Chicago, Ill., will prepare plans.

WHITING, IND.—Lonek & Houda, Archs., Chicago, Ill., are preparing plans for an automobile factory, to be built at Whiting. Cost, $38,000.

PLAINVILLE, IND.—The Plainville Telephone Co. recently incorporated will receive bids for construction of a telephone plant. N. E. Killion is Pres.

DETROIT, MICH.—Bids are asked by Department Public Works until June 12, 10 a. m., for erecting and equipping complete a plant for making paving brick. Wm. H. Maybury, Comr.

DETROIT, MICH.—Field, Hinchman & Smith, Archs., 710 Washington Arcade Bldg., are preparing plans and will receive bids for a two-story factory building, 100 × 120 ft., for the Universal Button Fastening & Button Co., Robert McKay, Gen. Supt., 504 Howard St.

GRAND RAPIDS, MICH.—G. W. Fairfield, Arch., Houseman Bldg., is preparing plans for carriage repair and blacksmith shop, to be erected by John Cummings, at 152 North Division St. Old buildings will be remodeled and new building erected in rear. Plans will be ready in about ten days.

GRAND RAPIDS, MICH.—Bids will be received about June 15 for factory building to be erected by Chas. A. Greenman Co., on Seventh St. W. A. Chapel, Arch., 157 Ottawa St., Grand Rapids. Brick, 2 stories, 56 × 86 ft.

OTTAWA, ILL.—Richard Griesser, Arch., Schiller Bldg., Chicago, has about completed plans for a brewery to be erected here for the Ottawa Brewing Co.

WASHBURN, WIS.—Fire destroyed the sawmill owned by Akely & Sprague. Loss, $115,000.

CEDAR RAPIDS, IA.—BARNETT & RECORD CO., Minneapolis, Minn., were awarded general contract for eight buildings, at Cedar Rapids, for American Cereal Co., Railway Exchange, Chicago, Ill. Cost, $750,000.

ST. PAUL, MINN.—C. F. House, Manhattan Bldg., will receive bids for brick work on a six-story building, 75 × 140 ft., to be used as heating plant, to be erected at Third and Hill Sts. Cost, $150,000.

MINNEAPOLIS, MINN.—The Eddy Sash & Door Co. will erect at once a new three-story factory on Main St. Cost, about $30,000.

OMAHA, NEB.—Adams & Kelly Co., will build a four-story factory and warehouse for sashes, doors, etc., 132 × 155 ft. at 12th and Nicholas Sts., to cost $75,000. Work to begin in three weeks.

ROSENBERG, TEX.—It is probable that a tile factory will be established here by Mr. Souger, of Hoopston, Ill.

MATAGORDA, TEX.—The Matagorda Fish & Oyster Co. will erect a canning factory here to cost $15,000. J. H. Berg is Pres.

HOUSTON, TEX.—The Home Ice Co. has been organized here with $80,000 cap. stock. The company will establish an ice plant. W. B. Jones is one of the incorporators.

SEATTLE, WASH.—The J. E. Fox Saw Works will secure site in the south end and will put up a factory building to cost about $20,000. Plans are being drawn and work will be rushed as soon as site is secured.

CHEHALIS, WASH.—W. B. Lourie and others are considering the erection of a large saw and shingle mill here.

WINNIPEG, MAN.—A. & W. Melville, Archs., Union Bank Bldg., are preparing plans for a 50,000-bushel elevator to be built here of reenforced concrete. A number of buildings will be erected in connection with the work, including two large grain warehouses. Tenders will soon be invited.

VANCOUVER, B. C.—We are informed that the contract for proposed brewery to be erected here by Seattle capitalists will be awarded in about six weeks. Emil Guenther, Arch., Vancouver. Cost, $120,000. Previously noted.

MISCELLANEOUS CONTRACTS.

The names of parties awarded contracts are printed in capital letters.

FIRE ALARM SYSTEM.—Ukiah, Cal.—Bids are asked by Jas. H. Carothers, Cy. Clk., until 7 p. m., June 19, for furnishing fire alarm system.

DREDGING.—Wilmington, Del.—Bids are asked until July 6 for dredging Mispillion River, Del. Capt. C. A. F. Flagler, U. S. Engrs. (Advertised, Engineering News.)

TUG BOAT.—Washington, D. C.—Bids are asked by Isthmian Canal Commission, Major H. J. Gallagher, Purchasing Agent, until June 30 for furnishing a tug boat for Colon Harbor.

ELECTRIC ELEVATOR. — Washington, D. C.—Bids are asked until June 20 by Wm. M. Meredith, Director Bureau of Engraving and Printing, for furnishing electric elevator.

BRICK CONDUIT.—Middletown, N. Y.—Bids are asked by B. A. Taylor, Cy. Clk., until 8 p. m., June 12, for construction of brick conduit along line of Draper Brook across Cottage St.

DREDGING, ETC.—Norfolk, Va.—Bids are asked until July 3 for dredging and removing wreck in Norfolk Harbor. Capt. E. Eveleth Winslow, U. S. Engrs. (Advertised, Engineering News.)

DREDGING, ETC.—Jacksonville, Fla.—Bids are asked until July 1 for dredging and removal of rock in Hillsboro Bay, Fla. Major Francis R. Shunk, U. S. Engrs. (Advertised, Engineering News.)

PILES.—New York, N. Y.—Department Docks and Ferries has awarded contract for furnishing 1,000 piles to J. H. BURTON & CO., 18 Broadway, New York, for $11,470. Bids were received May 26.

DRAINAGE DITCHES.—Webster City, Ia.—Bids are asked by Board Supervisors, H. W. Stafford, Chn., until June 26 for construction of the Farley Ditch No. 7 and the Little-Peterson Ditch No. 8.

BOILERS.—New York, N. Y.—Bids are asked by Francis J. Lantry, Comr. Correction, 148 East 20th St., until June 15 for furnishing two horizontal tubular boilers, etc., for Second District prison.

GRAVEL.—New York, N. Y.—Bids are asked by the Park Board, John J. Pallas, Pres., Arsenal Bldg., until June 15 for furnishing and delivering Hudson River road gravel on parks and parkways.

DREDGING.—Baltimore, Md. — Bids are asked until July 5 for dredging rivers and harbors on east shore of Chesapeake Bay, Md. Lt.-Col. R. L. Hoxie, U. S. Engrs. (Advertised, Engineering News.)

BEAR TRAP GATES.—Pittsburg, Pa.—Bids are asked until July 3 for building and erecting six bear trap gates in the Ohio River, pa. Major Wm. L. Sibert, U. S. Engrs. (Advertised, Engineering News.)

RETAINING WALL.—Wheeling, W. Va.—County Commissioners have awarded contract for building stone wall along National Road to JOHN J. CAVANAUGH & SON for $9,742. County will furnish cement.

DREDGING.—Montgomery, Ala.—Bids are asked until July 1 for dredging "Link Channel" Apalachicola Bay, Fla., and Carrabelle Bar, Fla. Capt. J. B. Cavanaugh, U. S. Engrs. (Advertised, Engineering News.)

EXCAVATION.—Boston, Mass.—Bids were received May 29 at U. S. Engineer's Office for excavating at Lovell's Island, Boston Harbor, Rowe & Perinni, South Framingham, Mass., at about $20,000, being low bidders.

CEMENT.—Cincinnati, O.—Bids are asked until June 30 for furnishing American Portland cement as follows, for use in Ohio River: 1,362 bbls. at Gallipolis, O., 1,500 bbls. at Maysville, Ky. Lt.-Col. E. H. Ruffner, U. S. Engrs.

DAM, CRIBS, ETC.—Mobile, Ala.—Bids are asked until July 3 for building dam, abutment and guard cribs at Lock No. 1, McGrews Shoals, Tombigbee River, Ala. Major W. E. Craighill, U. S. Engrs. (Advertised, Engineering News.)

SEA WALL.—Boston, Mass.—Bids are asked by Major John E. Baxter, Q. M., U. S. A., 170 Summer St., until June 19 for construction of section of block concrete seawall, reinforced with steel rods, at Fort Andrews, Peddocks Island, Mass.

CRIB REMOVAL.—Cleveland, O.—Bids are asked by Board Public Service, A. R. Callow, Secy., until June 15 for removal of two temporary cribs located in Lake Erie, belonging to Water-Works Department. (Advertised, Engineering News.)

STEEL SHED.—New Orleans, La.—Contract for constructing steel shed No. 2, bids for doing which were received May 30 by the Port Commissioners, J. F. Coleman, Engr., has been let to BEDELL IRON & STEEL CO., New Orleans, La., for $8,404.

CLEARING AND GRUBBING.—Burlington, Vt.—Bids were received by Quartermaster May 22, 1905, for clearing and grubbing of 135 acres of woodland at Fort Ethan Allen, for U. S. Government. E. F. Moore, Burlington, Vt., was the lowest bidder, his price being $9,325.

LEVEE.—Walnut Hill, Ark. — Bids are asked by R. R. Lee, Secy. and Treas., Long Prairie Levee Board, until 2 p. m., June 26, for the construction of a levee from Bunkham Spring to Louisiana state line; quantities 700,000 yds.

DREDGING.—Norfolk, Va.—Bids were received June 3 by Bureau Yards and Docks for dredging and removing mud, sand, clay, etc., at Norfolk Navy Yard. THE NORFOLK DREDGING CO., 217 Water St., offered to do the work for $3,675, and its bid was accepted.

LOCK GATES, ETC.—Nashville, Tenn.—Following bids were received May 29 by Major H. C. Newcomer, U. S. Engrs., for two steel lock gates complete and filling valves, etc., for Lock No. 2: Lawrence D. Weaning, care Variety Iron Works, Cleveland, O., $15,715; Penn Bridge Co., Beaver Falls, Pa., $16,323.

OCEAN PIER.—Ocean City, Md. — The Ocean City Pier & Improvement Co. has been formed to erect an ocean pier at this place. We are informed that a directors' meeting of the above company will be held soon to decide on the matter. R. L. Purnell, Snow Hill, Md., is Secy.

CONDUIT WORK.—St. Louis, Mo.—Contract for installation of conduits in this city for Postal Telegraph-Cable Co. has been awarded to ABBOT-GAMBLE CO., 32 Broadway, New York, and 620 Chestnut St., St. Louis, Mo. The work will be handled by the St. Louis office.

CEMENT, PILES.—New York, N. Y.—Bids are asked by Maurice Featherson, Comr. Docks, Pier A, Battery Pl., until 2 p. m., June 16, for furnishing and delivering about 10,000 bbls. Portland cement. Bids are wanted also for furnishing and delivering about 300 white oak piles.

FREIGHT ELEVATOR.—Charleston, S. C.—Bids are asked by Bureau Yards and Docks, M. T. Endicott, Ch., Washington, D. C., until June 24 for electric freight elevator for Building No. 13, navy yard, Charleston. Specifications may be seen at office of Engineering News, 220 Broadway, New York.

LOCOMOTIVE CRANE.—Washington, D. C.—Isthmian Canal Commission has awarded contract for locomotive cranes, bids received May 16, as follows: 10-ton crane, INDUSTRIAL WORKS, Bay City, Mich., $6,995, 20-ton crane, AMERICAN HOIST & DERRICK CO., St. Paul, Minn., $6,600.

FERRY STRUCTURES.—New York, N. Y.—Contract for furnishing material and repairing, altering and extending ferry structures at Whitehall St., and for dredging thereat, has been let to SNARE & TRIEST, 143 Liberty St., New York, for $130,747. Bids were received May 29 by Department Docks and Ferries.

DITCH WORK.—St. Paul, Minn.—Bids are asked by the Secretary of State until 2 p. m., June 15, for the construction of the following state ditches: Kimberly ditch, Aitkin County, 20,000 cu. yds.; Wing River ditch, Otter Tail County, 9,000 cu. yds.; Roseau River improvement, Roseau County, 104,000 cu. yds. George A. Ralph, Engr., Crookston, Minn.

MACHINE TOOLS, ETC.—Washington, D. C.—Bids are asked by Bureau Supplies and Accounts until June 27 for furnishing a quantity of machine tools, as follows: Schedule 293, electric hoist; schedule 294, steam locomotive wrecking car; schedule 295, bending rolls, crank shaper, milling machine, 10-ton locomotive cranes. H. T. B. Harris, Paym. Gen., U. S. N.

CHANNEL EXCAVATION.—Buffalo, N. Y.—Following bids were received June 6 by Lt.-Col. H. M. Adams, for dredging about 56,000 cu. yds., scow measurement, for channel excavation at Ogdensburg Harbor: Daly & Hannan Dredging Co., Ogdensburg, N. Y., $14,000 (recommended for acceptance); Lake Erie Dredging Co., Buffalo, N. Y., $14,840; Buffalo Dredging Co., Buffalo, N. Y., $16,240.

AQUEDUCTS, SPIKES, ETC.—Columbus, O.—State Board of Public Works has awarded contracts as follows for proposed improvements (bids received May 31): Three aqueducts, steel and woodwork, KING BRIDGE CO., Cleveland, O., $10,015; wrought iron bolts and spikes for locks, ALEXANDER ADAMSON, Akron, O., $1 050; cast iron for locks, ATLANTIC FOUNDRY CO., Akron, O., $750.

PILE DRIVERS, ETC.—New York, N. Y.—Bids were opened May 22 by Department Docks and Ferries for furnishing pile drivers, boat landing stages, etc., contracts being let as follows: Three pile drivers, J. E. OGDEN CO., 147 Cedar St., $34,300; four boat landing stages, D. P. LEARY, 476 Hudson St., $5,740; four driving scows, JOHN F. WALSH, JR., 60 Morton St., $5,423; one derrick boat, J. E. OGDEN CO., $29,600.

LAMPS, PLANERS, ETC.—Washington, D. C.—Bids are asked by Bureau Supplies and Accounts until June 20 for furnishing naval supplies, among which are the following: Schedule 267, incandescent and arc lamps, carbons, forming, burring and crimping machines, shears, punch, turbine pump, etc.: Schedule 269, machine bits, saws, shaper, lathe, nut facing and slotting machine, etc. H. T. B. Harris, Paym.-Gen., U. S. N.

PIER WORK.—New York, N. Y.—Bids are asked by Maurice Featherson, Comr. Docks, Pier A, Battery Pl., until 2 p. m., June 9 for furnishing all the labor and materials required for preparing for and building a new pier near the foot of Cuyler's alley, East River, to be known as Pier No. 8, East River; also for furnishing all the labor and materials required for preparing for and building a new pier near the foot of Old Slip, East River, to be known as Pier No. 10, East River.

MACHINE TOOLS.—Washington, D. C.—Bids are asked by Bureau Supplies and Accounts until June 20 for furnishing a quantity of machine tools, as follows: Schedule 272—rotary converters, locomotive, steam piping system; Schedule 273—foundry crane, drills, grinders, lathes, milling machines, planers, drill press, pipe-threading machine, saws, saw sharpener, saw bench, shears, shapers, cutting-off machine, motor drive outfits, plug machine, bolt pointing machine, oil separator, sanding machine, wood trimmers, stovepipe crimper, grindstones, pump, slotting machine, beveling machine; Schedule 274—punch. H. T. B. Harris, Paym.-Gen., U. S. N.

LEVEE WORK.—Vicksburg, Miss.—Bids were received May 31 by Capt. G. M. Hoffman, U. S. Engrs., for levee work in the 3d District, Mississippi River Improvement, the lowest bidders on each station being as follows: Lower Yazoo Levee District—Stations 1550-1843, 239,000 cu. yds., John Scott & Sons, St. Louis, Mo., $40,630; Stations 4025-4200, 140,000 cu. yds., J. K. Jeffries & Son, Memphis, Tenn., $26,600; Stations 1200-1375, 170,000 cu. yds., J. K. Jeffries & Son, $31,875. Upper Tensas Levee District—Stations 935-960, 30,000 cu. yds., John Jennings, Memphis, Tenn., $9,600; Stations 750-890, 70,000 cu. yds., T. S. Shields, Arkansas City, Ark., $2,700; Stations 960-1,020, 50,000 cu. yds., Lowrance Bros., Friars Point, Miss., $13,250; Stations 1625-1720, 74,900 cu. yds., Roach & Stansell, Memphis, Tenn., $18,583; Stations 1720-1855, 1910-1940, 18,000 cu. yds., Roach & Stansell, $4,466; Stations 1831-1870, 25,000 cu. yds., Lowrance Bros., $4,125; Stations 2850-3100, 125,000 cu. yds., J. K. Jeffries & Son, $24,375; Stations 755-900, 120,000 cu. yds., J. K. Jeffries & Son, $22,200; Stations 0-60, 87,000 cu. yds., J. & A. Wynn, Greenville, Miss., $15,225.

READERS' WANTS If any one is in the market for any engineering or contracting supplies, the first thing to do is to refer to our advertising pages, but if the buyer cannot find what he wants we particularly ask that he notify us at once and we will inform the proper parties without cost to the inquirer. A copy of **ENGINEERING NEWS BUYERS' GUIDE** will be mailed to any one upon application. This paper will always appreciate any news notes regarding public, or important private work, and will be pleased to receive detailed items. Requests to hold names will be complied with in every case. **Do not fail to write our advertisers or us.**

BALL AND ROLLER BEARINGS.—Greensboro, N. C.—G. T. Glascock & Sons are in the market for the above.

PAINT AND PAINT MAKING MACHINERY.—Columbia, S. C.—The Champion Paint Co., of Columbia, is in the market for the above, and also roofing.

ROTARY SAND AND GRAVEL SCREEN.—Detroit, Mich.—Paul Heinze, C. E., 398 Helen Ave., writes us that he is in the market for a rotary sand and gravel screen.

AUTOMOBILES AND ELECTRIC CARS AND ELECTRIC SUPPLIES.—Lima, Peru.—The Lima Horse Car Co., Senor D. Joaquin Godoy, Lima, is in the market for 45 cars with capacity of 40 persons each, automobiles and wire, rails, transformers, etc.

WINDLASS.—Rochester, N. Y.—Thos. Holahan, 158 Lewis St., Rochester, writes us that he is in the market for a windlass to put in the front of a truck for loading and unloading machinery.

ELECTRIC WELDING OF RAIL JOINTS.—Gulfport, Miss.—The Gulf & Ship Island R. R. wants to be put in touch with makers of equipment for the electric welding of rail joints for an electric road.

RAILWAY SUPPLIES, ETC.—Logan, W. Va.—The Cora Coal & Coke Co., of Logan, E. J. O'Beirne, 418 Scimitar Bldg., Memphis, Tenn., and A. B. Sanders, of Lake Providence, La., are understood to be in the market for supplies.

SHOP TOOLS, SUPPLIES, ETC.—Baltimore, Md.—Baltimore Heating & Plumbing Co., 7 Clay St., Baltimore, and Palmer & Co., 22 Ralston Bldg., Washington, D. C., are reported as in the market for various kinds of shop tools, pumps, etc.

GAS PRODUCERS, CONCRETE BUILDING BLOCK MACHINES, ETC.—San Francisco, Cal.—J. H. Lane, 407 Fair Oaks St., writes us that he wants data relating to the above, the gas producers to be used for utilizing sawdust and shavings.

SHOE MACHINERY.—Russia.—C. R. Slocum, U. S. Consul at Warsaw, Russia, reports that E. Bansleben, of, 65 Krakowskie Przedmiescie, Warsaw, is in the market for machinery for making shoes, nails, etc. Catalogues in German are preferred.

ROAD ROLLERS, BOILERS, ENGINES, CRUSHERS, TANKS, CONVEYING MACHINERY, SCREENS, ETC.—Baltimore, Md.—H. J. Doggett, 213 St. Paul St., is in the market for the above, besides a quantity of other material for an asphalt plant.

STEEL TANKS AND SHEET IRON.—Syracuse, N. Y.—W. M. Booth, Chemical Engr., Dillaye Bldg., Syracuse, N. Y., writes us that he is in the market for plain steel tanks for water softening purposes and a quantity of sheet iron no thicker than ordinary pipe.

MINING MACHINERY.—Panama, C. Z.—W. D. Waltham, Supervisor of Mining Dept., Empire, C. Z., Panama, writes us that the department of mining, Culebra Division, Isthmian Canal, is desirous of receiving catalogues from manufacturers of mining, grading, pumping, shaft sinking, tramway, open cut and similar machinery in order that complete files may be kept to aid in making specifications for ordering machinery and supplies.

EMERY WHEELS.—Lincoln, Neb.—A. E. Kennard, of the U. S. Land Office, Lincoln, writes us that he is interested in property in Wyoming on which is an unlimited quantity of massive garnets used in abrasive manufacturing purposes. Mr. Kennard wishes to get into communication with factories in this line.

CHARCOAL FURNACES.—Des Moines, Ia.—F. B. Hill, 410 Equitable Bldg., writes us that he wishes to be placed in communication with manufacturers of charcoal furnaces and he also wants data relating to obtaining and utilizing the by-products from charcoal manufacture. Mr. Hill has considerable land with timber on it and wishes to utilize it.

ELECTRICAL SUPPLIES.—Lake Providence, La.—It is reported that A. B. Sanders, of Lake Providence, is in the market for electrical supplies, etc., for a pole line and a street railway. Similar material is wanted by the Patapsco Electric & Mfg. Co., Sta. D., Baltimore; J. H. Mitchell, Pres. Ahoskie Ice Co., Ahoskie, N. C.; the Warren Light & Water Co., Warren, Ark.; the Black Belt Electric Ry. & Power Co., Dallas, Tex., and Ellison Cafers, Jr., Summerton, S. C.

ENGINES AND BOILERS.—Birmingham, Ala.—The Sibley-Menge Press Brick Co., 1st National Bank Bldg., is in the market for two boilers and two engines. It is also stated that the Fla. Ice & Cold Storage Co., of Tampa, Fla.; C. P. Berry, of Florence, S. C.; D. B. Loveman Co., of Chattanooga, Tenn.; the Parsons Marble & Granite Works, of Parsons, Tenn.; A. B. Sanders, of Lake Providence, R. I.; J. H. Hoyt, of Delaware, N. J.; F. T. Spinney, of Pine Bluff, N. C., etc., are in the market for engines and boilers.

SAWMILL AND WOODWORKING MACHINERY.—Houston, Tex.—Staff & Brown, 207 Main St., Houston; W. J. Muncy, of Hooker, Ky.; J. H. Hoyt, of Delaware, N. J.; and C. P. Berry, of Florence, S. C., are reported in the market for sawmill machinery, and R. E. Buck, of Greensboro, N. C.; Overcash Bros., of Statesville, N. C.; the Liberty Chair Co., of Liberty, N. C.; Durham & Pardue Mfg. Co., of Gallatin, Tenn.; Peacocks Iron Works, of Selma, Ala., and the Blackstone Mfg. Co., of Blackstone, Va., are in the market for woodworking machinery.

EARTH AND ROCK HANDLING TOOLS AND MACHINERY; EXPLOSIVES, BLASTING APPARATUS AND SUPPLIES; CEMENT, REINFORCED CONCRETE CONSTRUCTION, ETC.; PIPES, TILE, CAST AND WROUGHT IRON FOR WATER SUPPLY, SEWAGE, CULVERTS AND DRAINS; METAL AND WOOD PRESERVATIVES AND COATINGS; HOISTING AND CONVEYING MACHINERY, SMALL DERRICKS AND CRANES; PILE DRIVERS AND SUPPLIES; SEWAGE DISPOSAL SYSTEMS; WELL DRILLING MACHINERY, TOOLS AND SUPPLIES; STEAM, GAS AND GASOLENE ENGINES UP TO ABOUT 75 HP.; BOILERS AND SUPPLIES; CENTRIFUGAL, DIAPHRAGM, LIFT AND FORCE PUMPS, AND PUMPING ENGINES; WIND MILLS, TANKS, TOWERS, ETC.—Fort Defiance, Ariz.—Geo. Butler, Gen. Supt. of Irrigation, U. S. Indian Service, Fort Defiance, writes us that he wishes trade catalogues, etc., from makers of the above, and asks that his name be placed on the mailing lists.

MEXICO.

The names of parties awarded contracts are printed in capital letters.

OIL REFINERY.—Mexico.—The Oil Field of Mexico Co., Percy N. Furber, Pres., 43 Exchange Pl., New York, to erect an oil refinery in Mexico at a cost of $200,000. Equipment, etc., will be purchased in about two months.

REDUCTION PLANT.—Coahuila.—The Continental Copper Co. propose to erect, at once, a reduction plant at the Panuco mine, near Monclova, State of Coahuila. Otto Wahrmund and M. Koehler, of San Antonio, Tex., and S. D. Bridge, of Monterey, Nuevo Leon, Mexico, are interested.

PIER.—Vera Cruz.—A concession has been granted to Luis G. Marron Velasco and Ramon Miranda y Maron, for the construction of a wooden pier in the port of Vera Cruz, with warehouses and necessary tramways, for the special accommodation and service of vessels discharging or loading coal.

HYDRO-ELECTRIC PLANT. — Mexico. — The Toluca Electric Light & Power Co. has decided to develop a water power in the Rio Verde, at the town of Temascaltepec, where there is available 8,000 HP. About 3,000 HP. will be developed at once. R. J. M. Danley, Toluca, is Gen. Mgr. and Ch. Engr.

RIVER IMPROVEMENTS.—City of Mexico.—It is announced here on semi-official authority that the Mexican Government will appropriate $14,000,000 for removing the bar and building jetties at the mouth of the Rio Grande, and in deepening the channel of that river from its mouth to the city of Matamoras.

PUBLIC LIGHTING.—Oaxaca.—Contract for public lighting of this city has been let to FEDERICO ZORILLA & CO., Oaxaca, and that firm has added to its present hydraulic plant by purchase from Enrique Schoendube, City of Mexico, of a 300 HP. gasoline engine, with gas producing outfit, a three-phase electric generator, transformer, etc.

MINING MACHINERY.—Tapalpa, Jal.—N. W. Kinross, Gen. Mgr. of the Chatterton Mining Co., has purchased one-half interest in the San Antonio y Anexas mines, in the municipality of Tapalpa, Jal., and has agreed, in behalf of the company he represents, to expend $100,000 in machinery for the mines and in the erection of reduction works.

TUNNEL.—City of Mexico.—Plans are stated to have been made for the construction of a 12,000 ft. long, 12 ft. diameter tunnel in connection with a mining enterprise in Southern Mexico. George B. Burbank, White Plains, N. Y., will be the engineer in charge. Among those interested are Senator J. T. Morgan, of Alabama, and J. B. Miller, of Reading, Pa.

COLONIES.—Tamaulipas.—Advices from the City of Mexico state that John Alexander Dowie, of Zion City, Ill., has arranged to purchase 2,000,000 acres of land in the State of Tamaulipas, on which he will establish seven cities and several agricultural settlements. It is announced that water will be obtained for irrigating the land by tunneling into four extinct volcanoes.

PAVING.—City of Mexico.—THE ASPHALT BLOCK PAVEMENT CO. has been awarded the contract for the construction, conservation and repairing of the asphalt pavements of 33 streets of the Colonia Roma. The same company has also been awarded the contract by the Federal District Public Works Department and the Colonia Condesa Co. for the construction of 40 asphalt streets.

RAILROAD.—Guadalajara.—According to advices from this city, applications have been made by Southern Pacific interests for a concession for a railroad to connect Guaymas and Guadalajara, passing along the Pacific slope and crossing the Sierra Madre Mountains in the Territory [illegible]ple. J. A. Naugle, Guaymas, Mex., G[illegible]gr. Sonora Ry., was over the proposed [illegible] recently.

RAILROAD.—Jalisco.—Ap[illegible]n has been made to the Government of [illegible]ate of Jalisco by Carlos Romero, o[illegible]lan, for a concession to build and o[illegible] a railroad from Orendain, a station on [illegible]xican Central Railroad, to Hostotipaq[illegible]. It is said that the necessary capital t[illegible] and equip the road has been secured, a[illegible] construction work will be commenc[illegible]on as the concession is acted upon [illegible].

RAILWAY EXTENSION[illegible]z.—Contract for constructing ex[illegible] of Rio Grande, Sierra Madre & Pa[illegible] R. from Casas Grandes towards the [illegible]ast of Mexico has been let to J. H[illegible]K & CO., of Kansas City, Mo. Ma[illegible]nd supplies for the first 80 miles [illegible] proposed extension were to be purchas[illegible]nce. Mr. Flick is making his headquar[illegible] El Paso, Texas, for the present. The g[illegible] offices of the road are situated at Juar[illegible].

ELECTRIC RAILWAY.—[illegible]—Jalisco Rapid Transit Co., Ltd., orga[illegible]nder the laws of South Dakota, wit[illegible]apital of $12,000,000, proposes to const[illegible] electric railroad from Guadalajara to [illegible]nela, on the Pacific Coast, and has alr[illegible]ked bids for material and equipment. [illegible]ne is to be about 223 miles long, wit[illegible] miles of side track and switches. M. [illegible]Miller is Pres., and Bert Linderman, [illegible] Engr.; executive officers are at Guada[illegible]a.

PAVING, DRAINS, ETC.—V[illegible] Cruz.—THE MEXICAN CONSTRUCT[illegible] & ENGINEERING CO., LTD., has be[illegible] awarded contracts in the city of Vera C[illegible] for the paving of the streets and sidewa[illegible] the construction of storm water drains a[illegible] the paving of the federal portion of the [illegible]. Work will commence Oct. 15th, and it [illegible]estimated that it will require about two yea[illegible] to complete the contract. The cost will be about $3,000,000. Paul S. Leitz, City of Mexico, is Pres. and Gen. Mgr. of the company.

IRRIGATION SYSTEM.—Guadalajara.—Governor Vasquez del Mercado, of the State of Aguascalientas, has entered into a contract with a California company for the construction of a great irrigation system in that State. The company is capitalized at $1,000,000 gold, and has been represented in the negotiations by William Cook, Mgr. of the San Francisco Mines at Tepezala. A dam with a capacity of 60,000,000 cubic meters of water will be constructed along the Santiago River in Aguascalientas, and irrigation canals built through the rich valley of that state.

CEMENT PLANT.—Monterey, N. L.—A. H. Rogers, Jno. T. De Bell and R. H. Oliver have been granted a concession by the State of Nuevo Leon for the construction of a cement mill. An option has been secured on 640 acres of land, and it is proposed to form a company to be known as the Monterey Portland Cement Mfg. Co., Ltd. The capital stock is to be $200,000, and it is estimated that a plant could be installed ready to run for $85,000. Subscriptions to the stock of the company are already being received by P. Milmo & Sons, Bankers, Monterey, N. L.

MINING MACHINERY.—Sonora.—A mill, with a daily capacity of 500 tons of ore, is to be erected by the Red Mountain Mining Co. at the Cerro Colorado mines, in the Altar district, Sonora. A pumping plant and pipe line will be installed to convey water to the mill from a source of supply distant about six miles, and 12 in. pipe will be laid. Geo. E. Earnshaw is at the mines making the necessary surveys and plans, and will attend to the purchase of the necessary machinery. The officers of the company are J. S. Alexander, of New York, President; W. T. Fisher, of Philadelphia, Secretary; Geo. E. Earnshaw, of Nogales, Gen. Mgr.

SMELTERS.—Chihuahua.—Governor Enrique C. Creel, of the State of Chihuahua, has granted concessions for the construction of four new smelters in that state. One, with an initial capacity of 500 tons, which may be increased to 2,000 tons, will be constructed at Tabalaopa, three miles from the city of Chihuahua, by the American Smelting & Refining Co., which has made a guarantee deposit of $5,000. Eugene Davis, of Washington and associates, have secured a concession for the three other plants which, with an aggregate daily capacity of 1,000 tons, are to be located at Parral, Minas Nuevas and Villa Escobeda, and the concession carries the right to establish a hydro-electric plant in the vicinty of Parral, which will furnish power to operate the different plants. In addition to the above J. F. Johnston, of Parral, is negotiating for a concession for the establishment of a smelter, with a capacity of about 1,000 tons, at Jiminez.

FOREIGN CONTRACTS.

HYDRO-ELECTRIC POWER.—Spain.—The "Hidraulica Santillana" has been formed at Madrid, with a capital of $965,000, for providing hydro-electric power.

RAILROADS.—Chili.—The government has decided to issue bonds to the amount of $36,500,000, to build a system of railroads throughout the whole country.

ELECTRIC INSTALLATIONS.—Spain.—The "Unione Esercizi Elettrici" has been formed at Madrid, Spain, for the sale and exploitation of electric installations.

PORT EXTENSION.—Belgium.—A project is to be submitted to Parliament for the extension by the government of the port of Antwerp. The cost of the project would be about $40,000,000.

COPPER MINES.—Chili.—There has just been formed at Santiago, with a capital of $3,000,000, a company which intends operating the copper mines of the province of Atacama (Argentine Republic).

ELECTRIC TRAMWAYS.—Russia. — The Municipal Council of St. Petersburg has been authorized to borrow about $3,000,000 from the sums belonging to the town for the construction of electric tramways.

ELECT[illegible] TRAMWAYS.—Spain.—An electric tram[illegible] concession in Madrid has been granted [illegible]e Madrid Eastern Tramways Co. An electri[illegible]amway concession in Madrid has also bee[illegible]nted to the Compania Electrica Madriler[illegible] Traccion.

ELEC[illegible] POWER.—Spain.—An important co[illegible]y has just been formed at Ciudad [illegible] Spain, which has for its object the expl[illegible]on of the water falls of Ruidera for pro[illegible] electric power for the stations supplyi[illegible]ht to the towns of Manzanares, Solana, [illegible]nbrilla and Valdepenas. It is said th[illegible]s company possess a very large capital.

ARC [illegible]PS, POLES, ETC.—Australia.—Bids ar[illegible]ed by the City Council of Melbourne, [illegible] Clayton, Town Clk., until July 14 for [illegible]ly and delivery of arc lamps, poles, [illegible]ets, etc., for street lighting. Copies [illegible]he specification, drawings and conditio[illegible]f contract may be obtained on applica[illegible]t the office of the Agent-General for Vic[illegible], 142 Queen Cictoria St., London, E. C.

RAIL[illegible]Y AND MINING WORK.—Haiti, W. I.—[illegible]. Powell, U. S. Minister, Port-au-Prince, [illegible]ti, writes us that E. I. Blanton, of Phil[illegible]phia, Pa., is in Haiti engaged in the con[illegible]ction of a railway that when finished w[illegible] open up a rich section of Haiti. Mr. Bl[illegible]n has the concession with Louis Dolmas, [illegible] Port-au-Prince. They have also recently [illegible]eived from the government a very valuable mining concession.

IRRIGATION.—India.—The Government of India has published the report of J. Benton, Ch. Engr., Punjab Irrigation Branch, India Public Works Dept., Lahore, Punjab Province on the project estimates of the Upper Jhelum, Upper Chenab, and Lower Bari Doab Canals, the construction of which has been authorized. The entire scheme is one of considerable importance and magnitude, involving an expenditure of (approximately) $26,000,000.

RAILS, FISH PLATES.—Australia.—Bids are asked for the manufacture, supply and delivery of steel rails and fishplates for the Victorian Railways. Bids accompanied by the preliminary deposit of $1,250, must be lodged in the tenderbox at the railway offices, Melbourne, Victoria, Australia, or at the office of the Agent-General for Victoria, 142 Queen Victoria St., London, E. C., before 1 p. m. Aug. 7. Specifications and drawings may be seen at the Agent-General's Office on June 18.

RAILWAY ROLLING STOCK.—Italy.—It is proposed to expend $8,000,000 on new rolling stock on lines which are government property, orders to be placed with the national industries, except for material which is not produced in Italy or which cannot be supplied by the home industries. There is a proviso, however, that whenever prices or conditions should prove unacceptable, or for other reasons inconveniences should be met, tenders will be invited from foreign countries. Offers will probably be received by the minister of public works at Rome.

ELECTRIC RAILWAY.—Peru.—A. L. M. Gottschalk, U. S. Consul at Callao, Peru, reports that the Empresa del Tranvia Urbano de Lima will receive proposals from the United States for the material which it intends to purchase in order to transform its present line into an electric trolley road. The company will need some 45 cars, with a seating capacity of 40 persons each. These are to be run by overhead trolleys. It will also purchase wires, rails, transformers, rotaries, etc. American exporters of these classes of goods should address Senor D. Joaquin Godoy, Gerente, Empresa del Tranvia Urbano, Lima, Peru, sending plans and proposals, and not English catalogues merely.

RAILROAD, BRIDGES.—Guatemala.—We are informed that the Guatemala Northern R. R. has two location parties in the field, at present, and in a short time will have 85 additional miles under construction, requiring some very heavy work. S. F. Shaw, Guatemala City, is Ch. Engr. Three large viaducts are to be erected, and a large number of bridges of all classes. The large viaduct at Las Vacas is 860 ft. long and 252 ft. high from top of pedestals to base of rail. It will probably be divided into two 120-ft. spans, three 60-ft. spans, with three 45-ft. towers, three 30-ft. towers, and two shore spans of 60 and 50 ft. respectively. Several very large bridges are also to be erected. The Baltimore Bridge Co. has been furnishing the material. A. L. Hartridge, Gualan, is Engr.-in-Charge Bridges and Masonry.

CONTRACT PRICES.

[Where (*) precedes items under Contract Prices the work was advertised in Engineering News.]

BREAKWATER SUPERSTRUCTURE. — Buffalo, N. Y.—Following bids were received May 29 by Lt.-Col. H. M. Adams for stone superstructure for Buffalo Breakwater; (1) tearing out old superstructure, 360 lin. ft., per ft.; (2) capping stone, 18,800 tons, per ton; (3) rubble stone, 300 tons, per ton; (4) large riprap stone, per ton; (5) total: Andrew P. Lawton, Painesville, O., (1) $15, (2) $3.34, (3) $1.40, (4) $1.90, (5) $97,392; Federal Contracting Co., New York, (1) $20, (2) $3.75, (3) $1.35, (4) $2.25, (5) $112,125.

MASONRY DAM.—New York, N. Y.—Bids were received May 31 by Aqueduct Commissioners, Harry W. Walker, Secy., for constructing a masonry dam across Cross River, near Katonah Station. The dam is to be built of Cyclopean masonry, with a facing of concrete blocks. The bids received were as follows: (1) Bart Dunn, 444 East 68th St., New York; (2) Naughton & Co., 258 Broadway, New York; (3) Wm. J. Flannagan, Yonkers, N. Y.; (4) Ryan-Parker Construction Co., 21 Park Row, New York; (5) The Construction Co. of America, New York, (6) MacArthur Bros. Co. and Winston & Co., New York, and Clinton, Mass.; (7) Coleman, Breuchand & Coleman, Croton-on-Hudson, N. Y.:

MACADAM.—Cleveland, O.—Contract for macadamizing Edgewater Parkway, bids for doing which were received May 31 by Board Public Service has been awarded to SPENCE BROS., 2923 Euclid Ave., at the following bid; the length to be paved is 1,000 ft., and the width is 20 ft. and 25 ft.; thickness of wearing coat is 3½ ins., and foundation is to be 6 ins. thick, composed of limestone or slag; curb is to be of sandstone, 7 ins. × 20 ins.; W. A. Stinchcomb, Ch. Engr. Parks: Excavation, 1,000 cu. yds., 25 cts.; edgestones, 400 lin. ft., 75 cts.; macadam pavement, 9½ ins. deep with limestone foundation, 2,600 sq. yds., $1.35; macadam pavement, 9½ ins. deep with blast furnace slag foundation, 2,600 sq. yds., $1.35; trap rock screenings, 100 cu. yds., $5; brick gutters, 4,500 sq. ft., 16 cts.; excavation in trenches, 10 cu. yds., 40 cts.; 6-in. pipe in trenches, 10 lin. ft., 12 cts.; 8-in. pipe in trenches, 10 lin. ft., 16 cts.; 10-in. pipe in trenches, 10 lin. ft., 25 cts.; 12-in. pipe in trenches, 10 lin. ft., 35 cts.; 15-in. pipe in trenches, 10 lin. ft., 45 cts.; binders for trench drains, 10 cu. yds., 75 cts.; large catch basins, each, $27; loam, 100 cu. yds., $1; sodding, 500 sq. yds., 14 cts.; labor, 100 hours, $1.75; foreman, 10 hours, 40 cts.; double team and driver, 10 hours, 50 cts.; mason, 10 hours, 60 cts.; mason helper, 10 hours, 30 cts.; total using limestone, $5,537; total using blast furnace slag, $5,537.

DREDGING.—Buffalo, N. Y.—Following bids were received May 26 by Lt.-Col. H. M. Adams, U. S. Engrs., for 50,000 cu. yds., scow measurement, dredging in Buffalo River entrance channel: Wm. P. Donnelly, Buffalo, 31 cts.; Lake Erie Dredging Co., Buffalo, 33½ cts.; Buffalo Dredging Co., Buffalo, 29 cts. (recommended for acceptance).

*BREAKWATER REPAIRING.—Newport, R. I.—Following bids were received May 23 by Lt.-Col. J. N. Willard, U. S. Engrs., for repairing breakwater at Block Island, R. I., the bid being per ton of 2,000 lbs. stone in place: E. S. Belden & Sons, 217 Laurel St., Hartford, Conn., $2.13; Federal Contracting Co., 5 Nassau St., New York City, $2.25. Amount available is $20,000, and approximate amount to be expended under this contract is $18,000.

Bids received at New York, N. Y., May 31, 1905, by Aqueduct Commissioners, Harry W. Walker, Sec'y, for Constructing a Masonry Dam Across Cross River, Near Katonah Station.

Items.	Quantities.	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Earth excavation, Class A	65,000 cu. yds.	.46	.62	$1.00	.30	.55	.80	.80
Earth excavation, Class B	3,000 "	1.56	1.02	1.00	1.50	.75	1.50	1.25
Earth excavation, Class C	120,000 "	.35	.31	.28	.25	.25	.45	.50
Rock excavation, Class A	25,000 "	1.62	1.50	2.00	1.50	2.00	1.75	1.50
Rock excavation, Class B	5,000 "	5.00	3.12	2.00	3.50	5.00	5.00	4.00
Rock excavation, Class C	25,000 "	1.00	1.50	1.50	1.50	1.75	1.75	1.75
Rock excavation, Class D	4,000 "	1.50	1.02	1.50	1.50	.75	1.75	1.75
Refilling and embanking, Class A	4,000 "	.35	.31	.50	.30	.75	.40	.45
Refilling and embanking, Class B	32,000 "	.30	.25	.30	.15	.30	.20	.35
Overhaul, hauled 100 ft.	1,000 "	.01	.01	.05	.02	.02	.02	.02
Timber and lumber	1,500,000 ft. B. M.	20.00	41.00	1.00	35.00	35.00	.01	35.00
Round piles	5,000 lin. ft.	.37	.31	.20	.15	.40	.01	.25
River controlling works	Lump sum	5,013.00	12,500.00	10,000.00	39,000.00	40,000.00	30,000.00	10,000.00
Steel derrick towers in the dam	160 tons	92.50	100.00	1.00	70.00	150.00	.01	60.00
Portland cement	135,000 bbls.	1.70	1.90	1.70	1.75	1.50	1.30	1.50
Concrete blocks	17,500 cu. yds.	7.25	6.25	7.50	7.50	5.50	12.00	9.00
Monolithic concrete masonry	6,000 "	6.13	5.00	6.00	5.50	5.00	6.50	5.50
Granolithic finish	2,000 sq. yds.	.34	.62	1.50	1.15	.60	.60	.50
Grout of Portland cement	1,000 bbls.	3.00	.75	2.00	2.00	3.00	1.00	2.00
Cyclopean masonry	132,000 cu. yds.	2.40	2.20	3.00	2.90	3.00	2.90	3.50
Rubble stone masonry	100 "	3.00	5.00	5.00	3.25	5.00	5.50	8.50
Dimension stone masonry	10 "	50.00	43.75	100.00	35.00	22.00	75.00	50.00
Face dressing of concrete	10,000 sq. ft.	.12	.12	.20	.15	.20	.10	.20
Face dressing of stone	200 "	.62	.62	1.00	.50	.50	.75	1.00
Dry rubble paving	4,000 cu. yds.	2.00	3.75	3.00	2.75	2.50	3.00	3.00
Riprap	500 "	1.25	2.18	1.50	1.50	1.50	1.50	2.00
Steel pipes and specials	25 tons	80.00	100.00	120.00	100.00	100.00	160.00	80.00
Valves and sluice gates	Lump sum	5,312.00	5,225.00	6,000.00	3,750.00	5,000.00	5,000.00	5,000.00
Cast iron pipes	45 tons	37.50	46.25	50.00	40.00	60.00	50.00	50.00
Special pipe castings	25 "	50.00	78.75	100.00	60.00	110.00	100.00	90.30
Miscellaneous iron castings	40,000 lbs.	.05	.05	.05	.03	.07	.07	0.05
Miscellaneous brass or bronze castings	7,000 "	.30	.37	.30	.24	.50	.50	.03
Steel and wrought iron work, Class A	15,000 "	.05	.12	.06	.06	.08	.09	.05
Steel and wrought iron work, Class B	60,000 "	.04	.03	.06	.03	.05	.07	.04
Railings for top of dam	1,750 lin. ft.	2.75	2.50	2.50	2.50	.60	2.80	1.00
Railing for various places	400 "	2.75	1.00	2.50	.75	1.50	.70	1.00
Caring for and setting metal work, furnished by the city	2,000 lbs.	.04	.12	.04	.05	.15	.03	.04
State highways, surfacing and miscellaneous work	8,000 lin. ft.	.44	1.50	1.00	1.40	1.60	1.40	.50
County highways, surfacing and miscellaneous work	20,000 "	.84	.80	.20	.60	1.20	.25	.25
Private roads and paths	7,000 sq. yds.	.42	.62	.15	.60	.75	.25	.20
Furnishing and laying vitrified pipes, 12 ins. or less	600 lin. ft.	.80	1.25	1.00	2.00	.25	.60	1.00
Furnishing and laying vitrified pipes, 15 or 18 ins.	300 "	2.00	1.87	1.25	2.00	.40	1.25	1.50
Fence and guard rail	47,000 "	.20	.31	.25	.20	.20	.25	.40
Stone boundary walls	90,000 "	.56	.65	.60	.50	.50	.80	.90
Clearing the reservoir	870 acres	1.00	25.00	30.00	25.00	25.00	10.00	20.00
Grassing	34,000 sq. yds.	.12	.06	.03	.30	.30	.05	.12
Flashboards, stop-planks and wooden gratings	Lump sum	250.00	625.00	2,000.00	450.00	250.00	1,000.00	750.00
Crushed stone and screened gravel for miscellaneous uses	500 cu. yds.	2.70	.62	2.00	1.50	.80	1.50	1.50
Superstructure of gate house	Lump sum	6,000.00	6,875.00	6,000.00	7,500.00	4,500.00	8,000.00	5,000.00
Totals		$1,080,319	$1,145,957	$1,187,310	$1,207,750	$1,222,610	$1,246,212	$1,344,030

ASPHALT PAVING.—New York, N. Y.—Following bids were received June 1 by the Department of Parks for paving with asphalt block and making all necessary alterations to drainage, etc., on Cathedral Parkway; (1) Barber Asphalt Paving Co., 114 Liberty St.; (2) Harlem Contracting Co., 41 Wall St.; (3) Asphalt Construction Co., 207 Broadway:

	(1)	(2)	(3)
3,415 lin. ft. blue stone curb, concrete foundation	$1.82	$2.25	$1.25
750 lin. ft. old curb	.70	.80	.50
2 basins	250.00	200.00	125.00
1 catch-basin	100.00	100.00	75.00
3,720 cu. yds. all kinds excavation	.60	1.35	1.00
1,920 cu. yds. concrete	4.57	6.80	5.00
15,350 cu. yds. asphalt in block pavement	1.32	1.09	1.39½
Total	$38,602	$43,593	$39,702

DREDGING.—Portland, Me.—Following bids per cu. yd. were received May 29 by Major W. M. Black, U. S. Engrs., for (1) dredging in Damariscotta River, and (2) in New Harbor: Eastern Dredging Co., 247 Atlantic Ave., Boston, Mass., (1) 8.9 cts., (2) 26¾ cts.; John H. Letteney, 50 Congress St., Boston, Mass., (1) 9.7 cts., (2) 27 cts.

*MARGINAL CONDUIT.—Boston, Mass.—Following bids were received June 1 by the Charles River Basin Commission, Hiram A. Miller, Ch. Engr., for constructing Boston marginal conduit, Sec. 2, Contract No. 3; (1) James Driscoll & Son, Brookline, Mass.; (2) H. Gore Co., Boston, Mass.; (3) Nawn & Brock, Boston, Mass.; (4) Manufacturers' Contracting Co., Wilmington, Del.; (5) D. F. O'Connell Co., Boston, Mass.; (6) Metropolitan Contracting Co., Boston, Mass.; (7) Patrick McGovern, Boston, Mass.; (8) Rowe & Perini, South Framingham, Mass.; (9) Lawler Bros., Charlestown, Mass.; (10) Falvey & Kelly, Boston, Mass.:

DREDGING.—Mobile, Ala.—Following bids were received May 31 by Major W. E. Craighill, U. S. Engrs., for dredging in Pascagoula River and Mississippi Sound; (1) being bid per cu. yd. for Section 1 by hydraulic process, place measurement; (2) bid for Section 2 by same process, place measurement; (3) bid for Section 2 by bucket or dipper process, scow measurement; (4) number, kind and capacity of dredge to be used: Geo. W. Catt, Park Row Bldg., New York, (1) 11.9 cts., (2) 12.5 cts., (3) 10 cts., (4) hydraulic or clamshell dredge, as called for; Mississippi Dredging Co., Mobile, Ala., (1) 11 cts., (4) 1 hydraulic, 100,000 cu. yds. per mo.; Geo. G. Barker, Wilmington, Del., (3) 10 cts., (4) 1 clamshell, 3,000 cu. yds. per day; North American Dredging Co., San Francisco, Cal., (1) and (2) both 14.48 cts., (4) 1 hydraulic, 200,000 cu. yds. per mo.; Charles G. Ollinger, Mobile, Ala., (1) 13.5 cts., (4) 1 hydraulic, 2,000 cu. yds. per 12 hrs.; John Andersen, Gulfport, Miss., (1) 10.25 cts., (2) 8 cts., (4) 2 hydraulic, 8,000 to 15,000 cu. yds. per 24 hrs.; Bowers Southern Dredging Co., Galveston, Tex., (1) and (2) 15.5 cts., (4) 1 hydraulic, 10,000 cu. yds. in 24 hrs.; Southern Dredging Co., Mobile, Ala., (1) 9.98 cts., (4) 1 dipper, 4,000 cu. yds. a day.

*DREDGING.—Cleveland, O. — Following bids were received May 22 by Lt.-Col. Dan. C. Kingman, U. S. Engrs., for improving Cleveland Harbor, (1) being bid per cu. yd., and (2) Board of Inspectors per day per man: G. H. Breymann & Bros., Toledo, O., (1) 18 cts., (2) 60 cts.; ½ the work. The Lake Erie Dredging Co., Buffalo, N. Y., (1) 20 cts., (2) 60 cts.; 500,000 cu. yds. Buffalo Dredging Co., Buffalo, N. Y., (1) 18¾ cts., (2) 65 cts.; all work. Great Lakes Dredge & Dock Company, Chicago, Ill., (1) 16 9-10 cts., (2) 65 cts.; all work. The L. P. & J. A. Smith Co., Cleveland, O., (1) 16½ cts., (2) 75 cts.; all work; Lake Superior Contracting & Dredging Co., Duluth, Minn., (1) 18¾ cts.; (2) 60 cts.; 1,200,000 cu. yds.

GRANOLITHIC SIDEWALKS.—Lucknow, Ont.—Contract for constructing granolithic sidewalk on several streets (bids received by P. A. Malcomson, Clk., May 31) has been let to J. F. LONGLEY, Niagara Falls South, Ont., at 8¾ cts. per sq. ft. The guarantee is for five years; length to be paved is 8,500 ft., and width is 4 ft. Thickness of wearing coat is 1 in., and thickness of foundation is 11 ins., made up of 8 ins. of broken stone and 3 ins. of concrete.

DREDGING.—Newport, R. I.—Following bids were received May 23 by Lt.-Col. J. H. Willard, U. S. Engrs., for dredging at Block Island, R. I.: J. S. Packard Dredging Co., Providence, R. I., 24 cts.; Morris & Cuming Dredging Co., 17 State St., New York, N. Y., 32 cts.; Charles M. Cole, Fall River, Mass., 27 cts.; John P. Randerson, Albany, N. Y., 35 cts. Amount available is $30,000, and amount approximate, to be expended under this contract, is $27,000.

BIDS RECEIVED AT BOSTON, MASS., JUNE 1, 1905, BY THE CHARLES RIVER BASIN COMMISSION, HIRAM A. MILLER, CHIEF ENGINEER, FOR CONSTRUCTING BOSTON MARGINAL CONDUIT, SECTION 2.

Items.	Quantities.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Earth excavation and refill (main conduit)	1,800 lin. ft.	$8.50	$11.66	$10.50	$12.00	$10.43	$11.85	$11.00	$14.00	$10.00	$18.75
Earth excavation and refill (overflow chamber and conduit)	175 "	7.00	8.29	7.25	10.25	10.43	9.00	7.50	10.00	10.00	20.00
Rock excavation	200 cu. yds.	5.00	6.00	5.00	4.00	6.00	2.00	4.00	4.00	5.00	7.00
Piles	62,000 lin. ft.	.14	.15	.13	.14	.18	.15	.16	.17	.20	.15
Underdrain	2,000 "	.75	.60	.62	.80	.61	.65	.60	.50	2.50	1.00
Concrete masonry (except backing)	2,600 cu. yds.	7.50	6.13	7.20	6.65	7.00	7.15	8.00	7.00	9.50	8.00
Concrete masonry for backing	100 "	3.75	3.065	3.60	3.325	3.50	3.575	4.00	3.50	4.75	4.00
Iron and other metal work	45 tons	8.00	10.80	15.00	14.00	4.00	20.00	10.00	12.00	30.00	7.00
Sheeting left in place	70 M. ft. B.M.	18.00	22.00	35.00	20.00	20.00	16.00	30.00	20.00	65.00	25.00
Earth excavation in trench below masonry and underdrain	200 cu. yds.	1.50	.90	2.00	2.00	1.50	2.00	1.50	2.00	1.00	3.00
Gravel refilling in trench below masonry and underdrain	200 "	1.50	1.80	1.50	1.50	1.50	1.75	1.50	2.00	2.00	2.00
Crossings of Fruit and Cambridge Street overflows		800.00	360.00	500.00	600.00	800.00	1,500.00	400.00	820.00	2,000.00	3,000.00
Totals		$50,600	$53,309	$53,874	$55,426	$55,709	$57,122	$57,782	$61,400	$71,825	$77,215

*IRRIGATION CANAL.—Denver, Colo.—Bids were received May 16 by the Engineer of the U. S. Reclamation Service for construction of main canal in North Platte project, Nebraska; the bids were taken on ten divisions, the totals of those who bid on all these being as follows: Orman & Crook, Pueblo, Colo., $473,508; Griffith & McDermott, 1011 Merchants' Loan & Trust Bldg., Chicago, Ill., $481,336; Robinson & Maney, 1609 Chemical Bldg., St. Louis, Mo., $485,-480; Kilpatrick Bros. & Collins Contracting Co., Beatrice, Neb., $485,000; Burke Construction Co., St. Louis, Mo. $546,384; D. J. Burke, Guernsey, Wyo., $623,046; W. C. Bradbury, 55 Railroad Bldg., Denver, Colo., $575,970. It is probable, however, that the work will be awarded by divisions; the two lowest bidders on each division were as follows; (1) Orman & Crook, (2) Griffith & McDermott (3) Robinson & Maney, (4) James O'Connor, Morgantown, Ind.; (5) Deadwood Construction Co., Deadwood, S. Dak.; (6) Burke Construction Co.:

Division 1—Excavation.	(1)	(3)
Class 1....260,000 cu. yds.	.13¾	.11.99
" 2.... 10,600 "	.40	.60
" 3.... 100 "	.35	.75
" 4.... 1,500 "	.77	.80
Overhaul..140,000 "	.01¾	.01
Puddle.... 1,000 "	.40	.75
Totals	$42,490	$40,599

Division 2—Excavation.	(2)	(3)
Class 1....330,000 cu. yds.	.12	.11.99
" 2.... 100 "	.50	.60
" 3.... 100 "	.35	.75
" 4.... 100 "	.60	.80
Overhaul..180,000 "	.01¼	.01
Puddle.... 1,000 "	.75	.75
Totals	$42,745	$42,332

Division 3—Excavation.	(1)	(2)
Class 1....280,000 cu. yds.	.10½	.12½
" 2.... 27,000 "	.39	.50
" 3.... 100 "	.35	.35
" 4.... 38,000 "	.72	.70
Overhaul..180,000 "	.01¾	.01¼
Puddle.... 1,000 "	.40	.75
Totals	$79,275	$78,135

Division 4—Excavation.	(1)	(5)
Class 1.... 45,000 cu. yds.	.14	.15
" 2.... 79,000 "	.39	.29
" 3.... 100 "	.35	.35
" 4.... 100 "	.72	1.00
Overhaul..120,000 "	.01¾	.02
Puddle.... 1,000 "	.40	.50
Totals	$39,717	$32,695

Division 5—Excavation.	(1)	(6)
Class 1....346,000 cu. yds.	.14	.15.4
" 2.... 26,000 "	.40	.42
" 3.... 100 "	.35	.53
" 4.... 100 "	.72	.85
Overhaul..670,000 "	.02	.01½
Puddle.... 10,000 "	.43	.45
Totals	$76,647	$78,892

Division 6—Excavation.	(2)	(3)
Class 1....300,000 cu. yds.	.11 7/10	.10.99
" 2.... 100 "	.50	.60
" 3.... 100 "	.35	.75
" 4.... 100 "	.60	.80
Overhaul..140,000 "	.01¼	.01
Puddle.... 1,000 "	.75	.75
Totals	$37,745	$35,335

Division 7—Excavation.	(2)	(3)
Class 1....300,000 cu. yds.	.11.7	.10.99
" 2.... 100 "	.50	.60
" 3.... 100 "	.35	.75
" 4.... 100 "	.60	.80
Overhaul..120,000 "	.01¼	.01
Puddle.... 1,000 "	.75	.75
Totals	$37,495	$35,135

Division 8—Excavation.	(3)	(4)
Class 1 ...295,000 cu. yds.	.11.99	.12
" 2.... 100 "	.69	.35
" 3.... 100 "	.75	.45
" 4.... 100 "	.80	.80
Overhaul..140,000 "	.01	.01
Puddle.... 1,000 "	.75	.60
Totals	$37,735	$37,560

Division 9—Excavation.	(2)	(3)
Class 1....282,000 cu. yds.	.11.7	.10.99
" 2.... 100 "	.50	.60
" 3.... 100 "	.35	.75
" 4.... 100 "	.60	.80
Overhaul..131,000 "	.01¼	.01
Puddle.... 1,000 "	.75	.75
Totals	$35,526	$33,267

Division 10—Excavation.	(3)	(4)
Class 1....250,000 cu. yds.	.10.99	.11.7
" 2.... 100 "	.60	.35
" 3.... 100 "	.75	.45
" 4.... 100 "	.80	.80
Overhaul..126,000 "	.01	.01
Puddle.... 1,000 "	.75	.60
Totals	$29,700	$31,270

DREDGING.—Grand Rapids, Mich.—Following bids were received June 2 by Col. M. B. Adams, U. S. Engrs., for excavation of new channel from Kalamazoo River to Lake Michigan; (1) being bid per cu. yd. in scows or bins, and (2) in spoil bank; about 350,000 cu. yds. is to be removed: Great Lakes Dredge & Dock Co., Chicago, Ill., (1) 9½ cts., (2) 9½ cts.; Burk, Smith & Nelson, Muskegon, Mich., (1) 11 cts., (2) 13 cts.; Northern Dredge Co., Duluth, Minn., (1) 14.6 cts., (2) 14.4 cts.; Samuel O. Dixon, Milwaukee, Wis., (1) 15 cts.; The Fitz Simons & Connell Co., Chicago, Ill., (1) 16 cts., (2) 16 cts.; Lake Superior Contracting & Dredging Co., Duluth, Minn., (1) 15¾ cts., (2) 17 cts.; Buffalo Dredging Co., Buffalo, N. Y., (1) 25 cts., (2) 25 cts.

BRIDGE.—Pittsburg, Pa.—Willis Whited, Asst. Engr., Dept. Pub. Wks., Bureau of Construction, writes us that following bids were received May 17 by this city for construction of bridge on Lincoln Ave.; (1) C. M. Driver, Penn Bldg., Pittsburg; (2) Stratton, Lewis & Co., 327 First Ave., Pittsburg; (3) F. Felkel Son & Co., House Bldg., Pittsburg; (4) FRIDAY & CO., Fitzsimmons Bldg., Pittsburg (awarded contract); (5) Dravo Construction Co., Lewis Block, Pittsburg; (6) Fogel & Francy, 231 Marshall Ave., Allegheny, Pa.; (7) Columbia Contracting Co., Frick Bldg., Pittsburg; the water pipe is furnished and calked by the city; the 20-in. sewer is covered with 9 ins. of concrete, and the price includes excavation; the 6-ft. sewer is to divert an existing sewer and includes excavation about 16 ft. deep in soft ground; the pine sidewalk is only temporary and is to remain till the filling settles:

Bids received at Pittsburg, Pa., May 17, 1905, by Willis Whited, Asst. Engr. Dept. Pub. Wks., Bureau of Construction, for Co[illegible] Bridge on Lincoln Avenue.

Items.	Quantity.	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Work complete as shown on plans		$137,337	$109,620	$199,560	$129,158	$129,300	$1[illegible]	$150,814
Additional concrete in place, 1:2½:5		6.00	7.87	6.50	5.50	5.40	[illegible]	6.00
Stone with concrete backing		7.75	8.04	8.75	11.00	9.00	[illegible]	8.20
Earth filling	6,100 cu. yds.	.37	.65	.50	.90	.30	[illegible]	1.00
Block stone paving, gravel foundation	503 sq. yds.	2.25	2.81	2.25	2.00	2.10	[illegible]	1.75
Resetting B. S. paving	277 "	.75	.78	.75	.70	.50	[illegible]	.75
White pine sidewalk	18 732 ft. B. M.	.04	.04	.036	.045	.05	[illegible]	.04
Laying 20-in. cast-iron waterpipe	470 lin. ft.	.15	.15	1.00	.60	1.00	[illegible]	.75
Laying 6-in. cast-iron waterpipe	173 "	.15	.05	1.25	.20	.50	[illegible]	.85
Sandstone curb	990 "	.77	.70	.85	.75	.75	[illegible]	1.00
Sandstone curb, reset	417 "	.37	.30	.35	.25	.35	[illegible]	.65
20-in. cast-iron pipe sewer laid in concrete	555 "	3.87	8.20	5.50	7.00	12.00	[illegible]	8.70
6-ft. 3-ring brick sewer	206 "	15.00	14.12	12.50	16.00	28.00	[illegible]	12.50

SEWER SYSTEM.—Mt. Carmel, Pa.—Following bids were received May 18 by the Borough Council for constructing a sewer system; (1) approximate estimates, (2) Nolan Construction Co., 520 Walnut St., Reading, Pa.; (3) Irwin & Koester, Greenville, O.; (4) Hawman Bros., Reading, Pa.; (5) R. A. Malone & Co., Lancaster, Pa.; (6) D. M. Rosser, Kingston, Pa.; (7) De Nallo & Klingberg, Kingston, N. J.; (8) Gossart & Pascoe Co., Allentown, Pa.; (9) Lloyd Collis, New York; (10) Caldwell, Barry & Co., Philadelphia; the total bids include time at $25 per day:

BIDS RECEIVED AT MT. CARMEL, PA., MAY 18, 1905, BY THE BOROUGH COUNCIL, FOR CONSTRUCTING A SEWER SYSTEM.

Items.	Quantities.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
8-in. pipe	27 000 lin. ft.	.70	1.24	.55	.84	.50	.50	.60	.61	.53	.40
10-in. pipe	3,200 "	.90	1.33	.95	1.00	.60	.71	.90	.91	2.10	.52
12-in. pipe	8,500 ft.	1.04	1.46	.90	1.10	.70	1.07	1.00	1.22	.95	.70
15-in. pipe	5,100 "	1.40	1.71	1.20	1.32	.86	1.39	1.23	1.44	.95	1.10
18-in. pipe	2,800 "	1.70	2.09	1.35	1.80	1.02	1.65	1.60	1.70	1.20	1.45
20-in. pipe	800 "	1.94	2.29	1.50	2.10	1.22	1.97	1.80	1.90	1.50	1.60
24-in pipe	3,200 "	2.70	2.69	2.00	2.75	1.55	2.45	2.00	2.30	2.00	1.80
30-in. brick sewer	900 "	2.73	2.79	2.00	2.52	1.60	3.90	3.00	3.30	2.25	2.00
33-in. brick sewer	200 "	3.45	3.49	2.50	3.02	2.00	4.70	3.25	3.45	2.75	2.25
36-in. brick sewer	200 "	3.65	3.69	2.80	3.17	2.30	4.70	3.60	3.60	3.10	2.60
42-in. brick sewer	600 "	5.74	4.24	5.10	5.98	4.10	6.50	5.25	5.50	6.10	5.00
5-in. on 8-in. Y's	1,100	.50	4.04	.50	.60	.40	.45	.40	.50	.41	.44
5-in. on 10-in. Y's	130	.69	4.46	.70	.80	.60	.68	.55	.66	.60	.65
5-in. on 12-in. Y's	440	.90	5.00	1.00	1.05	.75	.90	.80	.90	.68	.80
5-in. on 15-in. Y's	200	1.40	5.99	1.40	1.40	1.00	1.25	.95	1.15	1.05	1.00
5-in. on 18-in. Y's	112	1.92	7.71	2.00	1.80	1.30	1.50	1.65	1.90	1.85	1.60
5-in. on 20-in. Y's	30	2.17	8.79	2.50	2.40	1.70	2.25	2.15	2.50	2.50	2.40
5-in. on 24-in. Y's	125	3.53	10.93	3.50	3.40	2.40	3.00	3.00	3.50	3.50	3.00
5-in. slants	70	.32	.24	.50	.30	.50	.30	.30	.30	.30	.25
Lampholes	38	12.00	6.95	15.00	18.00	20.00	15.00	10.00	14.50	15.00	15.00
Manholes	111	43.00	64.00	45.00	55.00	30.00	40.00	42.50	46.50	57.50	45.00
Interceptors	10	110.00	110.00	120.00	160.00	60.00	85.00	100.00	100.00	169.00	100.00
Side or corner inlets	90	60.00	120.00	70.00	87.00	50.00	63.00	60.00	65.00	88.00	80.00
Grate inlets	90	50.00	114.00	60.00	66.00	40.00	33.00	50.00	40.00	52.50	70.00
Flush-tanks	27	75.00	155.00	90.00	98.50	40.00	100.00	75.00	75.00	75.00	65.00
Rock excavation	5,000 cu. yds.	2.70	3.24	2.00	2.75	1.50	1.50	2.30	2.50	2.00	1.95
Time @ $25 per day		1.75	....	1.10	2.50	1.50	1.20	1.50	1.75	2.00	2.00
Totals		$98,311	$142,495	$84,737	$111,620	$66,008	$84,843	$95,364	$95,487	$91,856	$79,228

CIVIL SERVICE EXAMINATIONS.

CIVIL ENGINEER.—U. S. Civil Service Commission, Washington, D. C., will hold an examination June 28-29 to secure eligibles from which to make certification to fill a vacancy in the position of civil engineer and superintendent of construction, at $1,500 per annum.

INSPECTOR.—U. S. Civil Service Commission, Washington, D. C., will hold an examination June 28-29 to fill a vacancy in the position of assistant inspector of hulls in the Steamboat Inspection Service at Philadelphia, Pa., at $1,800 per annum, and vacancies as they may occur, in the position of local and assistant inspector of hulls in that service throughout the United States.

INDUSTRIAL NOTES.

HUNTER M. SMITH, 2016 First Ave., Birmingham, Ala., informs us that he has opened an office as manufacturers' agent.

THE AMERICAN BRIDGE CO., of New York, announce the removal of its Seattle, Wash., offices from the Bailey Bldg. to the Alaska Bldg.

THE VULCAN IRON WORKS CO., of Toledo, O., has shipped one of its "Little Giant" steam shovels to the Northern Mines Co. (Ltd.), of Atlin, B. C., where it will be used in placer work. Rochussen & Collis, of Victoria, B. C., handled the sale.

THE W. H. KELSON CO., 80 St. Francois Xavier St., Montreal, Que., has been formed to handle specialties in railway, steamboat and mill supplies, and will also represent the Fitz-Hugh-Luther Co., of Chicago. Mr. Kelson was for 23 years General Storekeeper for the C. P. Ry.

THE TACOMA SMELTING CO., Tacoma, Wash., has ordered from Allis-Chalmers Co., of Milwaukee, a steel water jacketed blast furnace for treating copper ores, the dimensions of which are to be 42 × 160 ft. at the tuyere line. It will be provided with a specially designed tuyere box.

THE DELAWARE & HUDSON COAL CO., Scranton, Pa., has placed an order with Allis-Chalmers Co., of Milwaukee, for four horizontal Reynolds-Corliss girder frame engines. They will be used to operate two 28-ft. fans for mine ventilators, which are also to be furnished by Allis-Chalmers Co.

MR. A. D. MACKAY, 84 Washington St., Chicago, writes us that he is going abroad this summer and will take over with him some high grade American specialties in the way of labor-saving devices, machinery, novelties, patents, etc. Mr. Mackay will be pleased to open up correspondence with interested parties.

THE STANLEY-G. I. ELECTRIC MFG. CO., Pittsfield, Mass., and Atlanta, Ga., reports that it has closed the following contracts: Fort Valley, Ga., one 108-KW., 60-cycle, 2-phase, 2,300-volt generator with exciter and switchboard; 20 6.6 amperes, series A. C. lamps, lighting transformers, etc. Hartford, Ala., one 80-KW., 2-phase, 2,300-volt, 60-cycle generator, exciter and switchboard; arc lamps, lighting transformers, etc.

THE ARIZONA SMELTING CO., New York, has ordered shipped to its plant at Prescott, Ariz., the complete equipment for a sampling mill. The contract also calls for an electrically operated converter and two reverberatory furnaces with auxiliary apparatus. The entire equipment will be furnished by Allis-Chalmers Co., of Milwaukee.

THE GODWIN CONSTRUCTION CO., engineers of Erie Basin, N. Y., has opened an office at 60 Wall St., New York, for the purpose of carrying on the business of contracting, making a specialty of foundation and concrete work and harbor improvements. Mr. Phil. H. Godwin, C. E., for several years superintendent in charge of Erie Basin, is the president of the company; Dr. Myron S. Falk, of Columbia University, has been retained as the company's engineer.

THE CENTRAL FDY. CO., 116 Nassau St., New York, announces that the U. S. Government has just awarded it the contract for 2,396 ft. of 8-in., 852 ft. of 10-in. and 384 ft. of 12-in. universal pipe, to be installed in the new office building of the House of Representatives to be erected in Washington, D. C., although the advertisement, specifications and proposal for water pipe and special castings issued by the government for this building specified bell and spigot water pipe.

THE SOCIEDAD DE MINES Y FUNDICIONES, Carrizal, Bajo, Chanarcitos, has ordered from Allis-Chalmers Co. the complete equipment for a 50-ton copper smelting plant to be erected at Carrizal, Chili. The installation will include a blast furnace and blower, with auxiliary apparatus, and a Bullock type "B" generator to supply current for an electric light plant. Wm. M. Martin, Manager of the Chilian company was in Chicago recently for the purpose of purchasing this machinery.

M. J. DRUMMOND & CO., 182 Broadway, New York, write us as follows: "We notice in your issue of the 25th inst. an item under the head of "Industrial Notes" that the Lynchburg Foundry Co., Lynchburg, Va., has purchased the Radford Pipe Works and will operate them in connection with its own plant after June 10. We beg to call your attention to the fact that we have a lease of the Radford Pipe Works which does not expire until July 1, 1906, and we intend to operate the works until then."

THE FOUNDATION CO., 35 Nassau St., New York, has lately closed contracts for the following foundation work: Foundations for a mill for the Farr-Alpaca Co., Holyoke, Mass.; foundations for the U. S. Barracks, Fort Des Moines, Ia.; foundations for engine roundhouse of the C., St. P., M & O. Railroad Co., Sioux City, Ia.; foundations for the piers of the new viaduct over the Kaw Valley, Kansas City (this contract calls for the installation of between three and four thousand concrete piles); foundations for a bridge over the New Basin Canal at New Orleans, La. Other work which the company has now under way or is closing up, consists of the following: Piers and abutments for bridge over the Wabash [illegible] at Terre Haute, for the "Big Four" [illegible]; foundations for an extension of th[illegible] house of the Union Electric Light & [illegible] Co., St. Louis; concrete dock and [illegible] for the terminals of the St. L. & [illegible] system, at New Orleans.

THE WHITING FOUNDRY EQUIPMENT CO., of Harvey, Ill. (Chicago suburb), has recently concluded arrangements with J. A. Herrick, M. E., of Philadelphia, Pa., whereby they become sole manufacturers of all his patented specialties in gas producers, furnaces, valves annealors, etc., in the United States, and also in the Dominion of Canada. The Whiting Co. will add further facilities to their works and be prepared to furnish promptly complete equipment for steel works of all kinds, particularly steel castings; also for gas producers, regenerators, furnaces and other similar equipment for every purpose and for every kind of fuel.

THE HOMESTAKE MIN[illegible] CO. has adopted pneumatic haulage for [illegible] 14 mines at Lead, S. Dak., and has [illegible] placed an order with the Ingersoll-Serg[illegible] Drill Co. for a duplex four-stage Corlis[illegible] compressor to supply the power. [illegible] though the Homestake mine contains low [illegible] ore, it has proved the richest in the [illegible] paying out nearly $20,000,000 in divid[illegible]. One air locomotive was in service dur[illegible] the past year, getting its power from [illegible] Ingersoll-Sergeant three-stage air compr[illegible]. Fourteen pneumatic locomotives are [illegible] to be installed to supersede the present mule service. The compressor to supply air at 1,000 lbs. pressure for this service will be the largest high pressure compressor in the world and nearly a duplicate of the high pressure machine which operates the pneumatic haulage system at the mines of the Anaconda Copper Mining Co. There are already seven other Ingersoll-Sergeant air compressors in active service at the Homestake mine, supplying 19,413 cu. ft. of free air per minute. Five of these are of the Corliss type, the largest having a stroke 6 ft. long.

TRADE PUBLICATIONS.

LATHES.—Gisholt Machine Co., Madison, Wis. Loose sheet; 7½ × 9½ ins.

"NATIONAL ELECTRICAL CATECHISM."—Serial pamphlets. Published by National Electric Co, Milwaukee, Wis. 5 × 6½ ins.

TOOL STEELS.—Peter A. Frasse & Co., 92 Fulton St., New York. 4½ × 6¼ ins.; pp. 36.

FROGS, SWITCHES AND SPECIAL TRACK WORK.—New York Switch & Crossing Co., Hoboken, N. J. Cloth; 10¾ × 7¾ ins.; pp. 55.

This catalogue consists entirely of illustrations of switches, frogs, crossings, etc.

PIPE CUTTERS.—Ellis-Ford Pipe Cutter Co., Great Falls, Mont. Paper; 3 × 6 ins.; pp. 12; illustrated.

This cutter is of the multiple-wheel type.

VALVES AND HYDRANTS.—The Nelson Valve Co., Wyndmoor, Montgomery Co., Pa. Paper; 6 × 9 ins.; pp. 53; illustrated.

A variety of gate and globe valves is shown and priced. A Nelson hydrant is also shown.

GAS ENGINE IGNITERS.—Goodson Electric Ignition Co., Providence, R. I. Paper; 3 × 6 ins.; pp. 16; illustrated.

The Goodson igniter has been previously noted in this column. It is a magneto igniter with variable lead. Testimonials are given.

REFRIGERATING MACHINERY.—De La Vergne Machine Co., foot of East 138th St., New York. 6-page folder; 4 × 9 ins.

This folder gives some views of De La Vergne ice machines, one of which is of the largest size made—500 tons capacity. A few paragraphs of text accompany the views.

STEAM ENGINES.—Quincy Engine Works, Quincy, Ill. Paper; 6 × 9 ins.; pp. 8, illustrated.

Medium and high-speed vertical engines suitable for direct driving of electric generators are described. The sizes range from 200 to 1,800 HP., and the speeds from 290 to 120 r. p. m.

HYDRAULIC RELIEF VALVES, AND WATER-WHEEL GOVERNORS.—Lombard Governor Co., 36 Whittier St., Boston, Mass. Two bulletins: 7 × 10 ins.; pp 6 and 4, respectively.

These folders give a complete description of hydraulic relief valves and water-wheel governors made by this company.

LOCOMOTIVE CRANES AND GRAB BUCKETS.—The Browning Engineering Co., Cleveland, O. Bulletins 9 to 15, inclusive. 6 x 9 ins.

These bulletins contain photographs and line cuts of various types and sizes of grab buckets and locomotive cranes made by this company for various uses. Short descriptions accompany the text.

METALLIC FENCES AND FENCE POSTS.—Anchor Post Iron Works, 15 Cortlandt St., New York. Stiff paper; 5½ × 8 ins.; pp. 47.

Fences in a great variety of styles are illustrated and price-lists given. Fence gates, tree guards, vine trellises, iron railings, etc., are also illustrated and listed.

AUTOMATIC WATER GAGE.—William S. Haines Co., 136 South Fourth St., Philadelphia. 4-page folder; 5½ × 8½ ins.

Shallow's Improved Automatic Water Gage contains an automatic valve in both the upper and the lower connections, so that when the glass breaks the connections close and prevent the escape of steam and hot water.

MACHINE SHOP DESIGNING.—Dodge & Day, Philadelphia, Pa. Paper; 9 × 6 ins.; pp. 16; illustrated.

The reconstruction of the plant of the Jeanesville Iron Works Co., Hazleton, Pa., is sketched here by numerous views, with some accompanying text. Dodge & Day were engineers in charge of this reconstruction.

ELECTRICAL MACHINERY.—National Electric Co., Milwaukee, Wis. Paper; 9 × 6 ins.; pp. 31; illustrated.

This pamphlet is wholly an album of views of National electric machinery. Alternators, railway generators and direct current motors occupy the main portion of the book. The mechanical work upon the pamphlet is exceedingly good.

TANKS, TOWERS AND TUBS.—W. E. Caldwell Co., Louisville, Ky. Paper; 6 × 9 ins.; pp. 36; illustrated.

This detailed tabular price-list is accompanied with some interesting descriptive matter, among which may be noted suggestions regarding the use of rods in place of bands for hooping tanks. The catalogue includes both wood and steel tanks and towers.

COMBINED GENERATORS.—B. F. Sturtevant Co., Hyde Park, Mass. Paper; 6½ × 9½ ins.; pp. 8; illustrated.

The generating sets here shown comprise either horizontal or vertical high-speed engines, which have a direct current generator connected directly to the crank shaft and mounted on the engine bed plate. They are built in medium sizes only.

RAPID BUILDING CONSTRUCTION.—Frank B. Gilbreth, Boston and New York. 8¾ × 7 ins.; pp. 16.

Photographs are given of a number of buildings, dams, etc., constructed by this company, together with letters of approval of the method of contracting by paying the cost plus a fixed sum.

VARIABLE SPEED MOTORS.—Electro-Dynamic Co., Bayonne, N. J. 6 × 9¼ ins.; pp. 8.

This circular illustrates and describes a motor that will run at a practically constant speed whether under full load or no load, and at any speed between 275 and 1,100 r. p. m. It does this without sparking, and it is reversible without a spark.

POLE LINE MATERIALS.—Newhall Chain, Forge & Iron Co., 9 Murray St., New York. 6 × 9 ins.; pp. 24.

Cross arm braces, bolts, lag screws, guy rods, guy clamps, pole steps, turnbuckles, expansion bolts and other pole line supplies for telephone, telegraph, electric light and street railway use, are illustrated and described, price-lists being given.

WOOD PIPE.—National Wood Pipe Co., Los Angeles, Cal. 4-page folder; 3½ × 6 ins.

This is a price-list of machine-banded wood pipe with a diameter from 3 to 18 ins. and built for heads of from 20 to 300 ft. The pipe has redwood or yellow fir staves, and a galvanized steel band applied spirally with the ends anchored at the two ends of each section. Cast-iron collars are used to connect successive sections.

LOCOMOTIVE WATER SUPPLY.—The Otto Gas Engine Works, 316 Dearborn St. Chicago. Paper; 7 × 10 ins.; pp. 24; illustrated.

A full line of devices for railway water-tanks and standpipes is described here. This includes, besides the valves, spouts and other accessories, the tanks themselves. A wooden tank with conical steel bottom is described as a special feature.

INDUSTRIAL RAILWAYS AND CARS, AND COAL HANDLING MACHINERY, ETC.—C. W. Hunt Co., West New Brighton, New York. Two pamphlets: 3¼ × 6 ins.; pp. 40 and 20, respectively.

One catalogue shows the well-known Hunt industrial railways, and many types of cars used on the same. The other catalogue shows coal handling machinery, cableways, hoisting engines, etc.

COAL-HANDLING MACHINERY.—C. W. Hunt Co., West New Brighton, N. Y. Paper; 6¾ × 9 ins.; pp. 52; illustrated.

A large part of this catalogue is in effect an album presenting many different styles of coal-handling plants as they have been built by the C. W. Hunt Company. Special space and description is devoted to the Hunt Noiseless Conveyor, which forms virtually a continuous bucket railway.

DERAILS.—Hayes Track Appliance Co., Geneva, N. Y. Paper; 6 × 9 ins.; pp. 12; illustrated.

Two forms of derails are shown: the "lifting" derail is for operation in an interlocking plant or by a pipe line from the main-track switchstand; the "pivot" derail is for hand operation. A dwarf target signal for use in connection with either of these derails is also shown.

ELECTRIC MOTORS.—Westinghouse Electric & Mfg. Co., Pittsburg, Pa. Paper; 3½ × 6 ins.; two 8-page pamphlets.

These two little pamphlets cover respectively the direct current power motor and the alternating current induction motor. A few general remarks are presented, with some illustrations, to remind the reader of the manifold applicability and value of electric motors for general power purposes.

ELECTRICITY ON STEAM RAILROADS.—General Electric Co., Schenectady, N. Y. Paper; 8 × 10½ ins.; pp. 27; illustrated.

In this special pamphlet are grouped illustrations and data relating to various electric locomotives that have been built by the General Electric Co. for steam railway service, together with some information concerning electrical equipment for elevated railways, alternating current motors and steam turbines.

COAL HANDLING MACHINERY.—C. W. Hunt Co., West New Brighton, N. Y. 6½ × 9 ins.; pp. 56.

Cable railways, noiseless conveyors, overhead trolleys, grab buckets, coal screens, coal valves and gates, coal chutes, hoisting tackle, hand rope, industrial railways, etc., are illustrated and described. A particular feature is the parabolic boom tower, especially adapted for hoisting coal from vessels by means of clam-shell buckets.

CENTRAL AIR PLANTS.—The Ingersoll-Sergeant Drill Co., 26 Cortlandt St., New York. 6 × 9 ins.; pp. 32.

The compressed air power transmission plant of the Cleveland Stone Quarry is described in detail and illustrated by photographs and line drawings. The great saving in the cost of operating the stone quarries since the installation of this plant is given in detail.

INSPIRATORS AND LOCOMOTIVE TRIMMINGS.—The Hancock Inspirator Co., 85 Liberty St., New York. Cloth; 9 × 12 ins.; pp. 111.

The Hancock inspirator of different types is illustrated by photographs and cross-sections, price-lists, capacities and dimensions being given. Check valves, blow-off valves, globe valves, strainers, oil cups, whistles and other locomotive trimmings are also listed.

WATER-WORKS TANKS, TOWERS AND OTHER EQUIPMENT.—Des Moines Bridge & Iron Works, Des Moines, Ia. Paper; 6 × 8½ ins.; pp. 52; illustrated.

Portions of a number of water-works built by this company are illustrated, including stand-pipes, elevated tanks, compressed air storage tanks, a concrete-steel covered reservoir and pumping stations. Some bridges, chimneys and roofs are also shown.

CONCRETE PILES.—The Simplex Concrete Piling Co., Philadelphia, Pa. 4¾ × 9¾ ins.; pp. 36.

This interesting catalogue describes in full the Simplex concrete pile. A list of the patents on this type of pile is given, followed by data showing the economy of using concrete piles for certain classes of foundation work, and photographs of pile foundations constructed by this company; also, data as to the supporting power of the pile.

WATER DISTILLATION.—American Water Purifying Co., 112 North Broad St., Philadelphia. Paper; 3 × 6 ins.; pp. 7 and 7 and 2.

One of these pamphlets advances reasons why water should be distilled, while the other adds to those reasons and briefly describes the Hodges apparatus. A card shows on one side a 100,000-gallon distilling plant and describes it on the other side. Multiple effect, heat exchange and recovery of the condensing water are claimed.

FIREPROOF PAINT.—National Fireproof Paint Corporation, 87 Franklin St., Chicago. Paper; 5½ × 7½ ins.; pp. 24; illustrated.

The company's different kinds of paint are described, and there are analyses, testimonials and accounts of tests made.

SEALS FOR UNION AND STOP COCKS.—Safety Meter Lock Co., Columbus, O. Paper; 6 × 3 ins.; pp. 4; illustrated.

This seal consists of two half rings, with an interlocking joint at one end and a key joint at the other. The seal is broken by breaking the key. The spring is in the seal.

STEAM PUMPS.—A. S. Cameron Steam Pump Works, Foot of East 23d St., New York City. Stiff paper; 6 × 9 ins.; pp. 144; illustrated.

Text, tables and illustrations have been freely used to produce a handsome and useful catalogue. Spanish and German editions are available, as are also smaller catalogues in these two languages.

ANTI-FRICTION BEARINGS.—North American Metaline Co., Long Island City, New York. Paper; 4¾ × 7¼ ins.; 6-page folder.

This is an account of a test made by the Phoenix Bridge Co. to determine the safe loading on Metalined bushings in hoist blocks. Very high pressures were realized. No damage was apparent at a loading of 5,000 lbs. per sq. in. projected area, in 15-min. runs, at about 35 r. p. m., and only slight wear resulted from a loading of 8,000 lbs. per sq. in.

DRILL GRINDERS.—Wilmarth & Morman Co., Grand Rapids, Mich. Stiff paper; 6¼ × 9½ ins.; pp. 32.

The new "Yankee" drill grinder in several styles is illustrated in this catalogue, descriptions of each machine being given. Where any large amount of drilling of steel or iron is to be done, such a drill grinding machine is unquestionably of great value, as it secures quicker and more accurate grinding of the bits than by hand work.

ORE SEPARATORS.—The Blake Mining & Milling Co., Denver, Colo. 3¼ × 6 ins.; pp. 18.

The machine described in this catalogue is the invention of Professor L. I. Blake and Mr. L. N. Morscher, of the University of Kansas. It is an electro-static ore separating machine and is applicable to a great variety of ores. Tables of results of the use of the machine are given, showing the effectiveness of the classification of the minerals.

STEEL FURNITURE.—The Berger Mfg. Co., Canton, O. Paper; 4½ × 9 ins.; pp. 16; illustrated.

A large variety of steel office furniture is shown here, though by no means the full range in which steel furniture is nowadays made. The pamphlet, which has the title "Steelsects," restricts itself to sectional steel card cases, document files and the like, of which quite a number of sizes and styles is shown.

PIPE AND FITTINGS FOR GAS, WATER, ETC.—Central Foundry Co., 116 Nassau St., New York. 6¾ × 10¼ ins.; pp. 64; illustrated.

The "universal" pipe has been on the market four years. It is now in use for gas, water-works, compressed air, refrigeration, steam, sewerage and other purposes. It is made up to 14 ins. in diameter and it is proposed to add 16-in. this year. Valve boxes are included in the catalogue.

MERCURY VAPOR LAMPS.—Cooper Hewitt Electric Co., New York. Paper; 6 × 9 ins.; pp. 28 and 8; illustrated.

The commercial status of the Cooper Hewitt vapor lamp is well presented in these pamphlets. Data as to the lighting power are given, energy consumption and the like, and numerous views show the use of the lamp in actual service. Testimonials from many sources are quoted. A separate pamphlet lists the prices of the lamps and their auxiliaries.

WATER PURIFICATION AND SOFTENING.—Greer Filter Co., Perry Building, Philadelphia. Paper; 9 × 6 ins.; pp. 47 and 55; illustrated.

Mechanical filters, mostly for municipal service, are described. Sulphate of iron is recommended as a coagulant. A rate controller and a coagulant feeding device are figured. The pamphlet on water softening contains information on theory and practice, together with views of a number of installations, both industrial and railway.

FEED-WATER HEATERS AND SEPARATORS.—Warren Webster & Co., Camden, N. J. Paper; 6 × 9 ins.; pp. 40 and 4; illustrated.

The larger of these pamphlets discusses the requirements of feed-water heaters and purifiers, reviews their development, and then describes the construction of the Webster heater and purifier, which purifies the water by chemical admixture followed by a purifying chamber and filter. The smaller pamphlet gives weights and prices of Webster oil and steam separators.

WESTINGHOUSE INDUSTRIES.—The Westinghouse Companies' Publishing Department, Pittsburg, Pa. Paper; 8 × 10 ins.; pp. 68; illustrated.

For the International Railway Congress there has been specially prepared a semi-historical and semi-descriptive review of all the various manufacturing companies identified with the name of Westinghouse. The Westinghouse Air Brake Co. is, of course, the first mentioned, as it was the first of the series of a dozen industries to be founded. The book is handsomely illustrated and furnishes an interesting bit of reading.

LOGGING MACHINERY.—Clyde Iron Works, Duluth, Minn. Three catalogues: 9¼ × 6¼ ins., pp. 24; 5½ × 6¼ ins., pp. 50; 11 × 8 ins., pp. 24.

The log loading machines illustrated in one of these catalogues are mounted on steel frame or sled, provided with a boom that does not rotate like a derrick boom but may be raised or lowered. Photographs show the machine at work and brief explanatory matter accompanies each photograph. In another catalogue a large number of letters is given, commending the machine and stating the cost of operating under different conditions.

For other Proposal Advertisements see pages 35, 36, 37, 38, 39, 40, 41 of Advertisements and Construction News page 224.

OFFICE OF THE COMMISSIONERS, D. C. Washington D. C., June 1, 1905.—Sealed proposals will be received at this office until 12 o'clock noon, June 15, 1905, for the construction of six concrete steel bridges (spans varying between nine (9) and twenty (20) feet) in the District of Columbia. Blank forms of proposals, specifications, and all necessary information may be obtained at the office of the Engineer Commissioner, D. C. HENRY L. WEST, JOHN BIDDLE, Commissioners, D. C. 23-1t

WATER AND LIGHT PLANT.

Cookeville, Tenn.

Sealed bids will be received by the Town Council of Cookeville, Tennessee, up to 8 o'clock p. m., Thursday, June 22, 1905, for material and construction of Water & Light Plant, embracing pipe-line, pole-line, power-house, reservoir, wells, pumps, boilers, heater, separator, automatic or four-valve engine, single-phase alternator, series arc-lighting system, transformers, etc.

Plans and specifications will be on file with the Recorder and at the office of the Engineer after June 15th, and copies of specifications will be mailed upon application to the engineer at Nashville.

A certified check of $50.00 will be required with each item of bid. The right is reserved to reject any and all bids.

JESSE ARNOLD, Mayor.
O. K. HOLLADAY, Recorder.
GRANBERY JACKSON, Engineer,
Nashville, Tenn. 23-1t

ELECTRIC PLANT AND WATER WORKS.

Borough of Highlands, N. J.

Sealed proposals for furnishing the material and performing the work required in the erection of a Municipal Electric Light and Water Plant will be received by the Mayor and Council of the Borough of Highlands, N. J., at a meeting to be held at Firemen's Hall, on Monday, June 26th, 1905.

The Council will be in session to receive bids from 8:00 to 8:30 o'clock in the evening. Bids will be opened promptly at 8:30 o'clock.

Proposals properly endorsed must be presented personally and at no other time or place and must be made out in accordance with the form accompanying each specification.

General proposals covering the entire work are required. No proposals for portions of the work will be entertained.

The work includes: (1) Power House and Foundation, (2) Stand Pipe, (3) Pipe Line, (4) Turbine Pump, (5) Air Compressor, (6) Driven Wells, (7) Steam Plant, (8) Engine, (9) Generator, (10) Switchboard, (11) Transformers, (12) Wiring, (13) Pole Line and Fixtures.

Plans and specifications may be had at the office of the engineers, Runyon & Carey, 122 Market St., Newark, N. J.

The right is reserved to reject any or all bids. TUNIS H. LANE.
23-2t Borough Clerk.

PIPE SEWER.

Indiana, Pa.

The Borough of Indiana, Pa., invites proposals for the putting in of 5,000 feet, more or less, of 10, 8 and 6-inch sewer pipe, with the necessary manholes, &c. Sealed bids will be received at meeting of Council, Thursday evening, June 15th, 1905, accompanied by certified check for $100. Council reserving right to reject any or all bids. Address,

R. M. MULLEN,
23-1t Borough Engineer.

EXTENSION OF TIME.

TENDERS FOR SUPPLY OF WATER PIPE AND SPECIALS.

Sealed tenders, addressed to the Chairman of the Fire, Water & Light Committee for the supply of Water Pipe and specials of various sizes for High Pressure Fire Service, will be received at the office of the undersigned up to 3.30 p. m. on Monday, June 19th, 1905.

Specifications and forms of tender may be obtained at the office of H. N. Ruttan, City Engineer, Winnipeg, Canada.

Each tender must be accompanied by an accepted cheque, draft or cash deposit for the sum called for in the form of tender supplied, which will be subject to forfeiture in case of failure on the part of the successful tenderer to enter into a written contract with approved sureties if called upon to do so.

The City reserves the right to reject any or all tenders or to accept any bid which appears advantageous to the City of Winnipeg.

C. J. BROWN,
City Clerk.

City Clerk's Office, 23-2t
Winnipeg, Man., Canada, May 15th, 1905.

BIDS ON TRUSS BRIDGE WANTED.

Charleston, W. Va.

Manufacturers and contractors are invited to submit by 8 p. m., Thursday, June 15th, 1905, to the City Council of Charleston, Kanawha County, West Virginia, sealed bids for the erection of a Truss Bridge across Elk River, connecting Charleston and Lovell streets.

Plans and specifications to be seen at the office of the City Engineer.

City Council reserves the right to reject any and all bids.

For further information address,

W. A. HOGUE,
23-1t City Engineer.

NEW SCHOOL BUILDING.

Montclair, N. J.

The Board of Education solicit proposals for the erection of a new school building at Montclair, N. J., after the plans of McKim, Mead & White. Bidders may estimate upon the whole or parts of the work and must give bonds for fulfillment of the contract when awarded. The right is reserved to reject any or all bids.

Plans and specifications may be seen at the Board of Education room in the High School building each day (except Saturday) from 3 to 5 P. M., from June 5 to June 17. Proposals must be sent to the undersigned by June 27, 1905, and marked "Proposals for Hillside Avenue School." By order of the Board of Education.

E. MADISON,
Business Manager.

Montclair, N. J., June 1, 1905. 23-1t

REMOVAL OF CRIBS.

Cleveland, Ohio, May 31, 1905.

Sealed proposals will be received at the office of the Secretary of the Board of Public Service, No. 105 City Hall, until 12 o'clock M., June 15, 1905, for the removal of two temporary cribs located in Lake Erie, belonging to the Water-Works Department of the Board of Public Service.

Specifications may be seen and blank proposals can be obtained at the office of the Superintendent of Water-Works.

Each proposal must contain the full name of the party or parties making the same, and all persons interested therein, and must be accompanied by a certified check for Two Thousand ($2,000.00) Dollars, payable to the Board of Public Service on a solvent bank in this City, as surety that if the proposal be accepted a contract will be entered into.

No proposal will be entertained unless made on the blanks furnished by the Superintendent of Water-Works and delivered at the office of the Secretary of the Board of Public Service, No. 105 City Hall, previous to 12 o'clock M. on the day specified.

The City reserves the right to reject any or all bids.

BOARD OF PUBLIC SERVICE.
By W. J. SPRINGBORN,
President.

A. R. CALLOW, 23-1t
Secretary the Board of Public Service.

U. S. ENGINEER OFFICE, Pittsburg, Pa., June 2, 1905.—Sealed proposals for building and erecting 6 bear-trap gates in the Ohio River, Pa., 2 each at Dam No. 3, at Glenosborne, Dam No. 4, near Legionville, and Dam No. 5, near Freedom, about 11, 18 and 25 miles, respectively, below Pittsburg, Pa., will be received here until 12 M., July 3, 1905, then publicly opened. Information furnished on application. WM. L. SIBERT, Maj., Engrs. 23-4t

PROPOSALS FOR DREDGING.

Sealed proposals will be received by the Commissioners of the Union Special Drainage District in the counties of Henry and Whiteside and State of Illinois until Thursday the 29th day of June, 1905, and until 2 o'clock P. M. of said day, at which time the bids will be publicly opened in the office of F. W. Sears, Prophetstown, Ill., where maps and profile may be seen of the work of the enlargement and construction of the main ditch and one tributary in said Drainage District, requiring the removal of approximately three hundred thousand (300,000) cubic yards of material. Plans and specifications for the work may be had from either of the commissioners, and to whom all bids should be mailed or delivered. The right is reserved to reject any and all bids.

Prophetstown, Ill., May 20th, 1905.

GEORGE SEYLLER,
Prophetstown, Ill.,
BERNARD GASSER,
Prophetstown, Ill. R. F. D. No. 3,
WILLIAM PAPENDICK,
Prophetstown, Ill. R. F. D. No. 2,
Commissioners in and for said Drainage District.

F. W. SEARS,
Prophetstown, Ill.,
Engineer.

HENRY WATERMAN,
Geneseo, Ill.,
Attorney. 23-2t

NOTICE TO MANUFACTURERS OF

ELECTRICAL SUPPLIES.

Youngstown, Ohio.

Sealed proposals will be received by the Board of Public Service of the City of Youngstown, Ohio, until 12 o'clock noon, Monday, June 19, 1905, for one Electric Light Plant "complete" for Water-Works Pumping Station and Filter Plant.

Specifications may be seen and blank forms for bids had at the office of the Board of Public Service.

Bids shall contain the full name of every person interested, and accompanied by a sufficient bond or a certified check of $500.00, that, if the bid or any part thereof is accepted, a contract will be entered into and the performance of it properly secured.

The Board of Public Service reserves the right to reject any or all bids.

By order of the Board of Public Service.

G. T. PROSSER,
23-2t Clerk.

SEWAGE DISPOSAL WORKS.

East Syracuse, N. Y.

Sealed proposals for the above mentioned work, endorsed "Proposals for Constructing Sewerage Disposal Works and Appurtenances," will be received at the office of the Board of Sewer Commissioners, East Syracuse, N. Y., until 8 o'clock P. M. of the 15th day of June, 1905.

The work consists in furnishing materials and constructing septic tank, filter beds, drains, force main and appurtenances, for sewerage disposal works for the Village of East Syracuse.

Each proposal must be accompanied by a certified check for $750.00, payable to the Treasurer of the Village of East Syracuse.

The amount of bond required will be $7,500.00.

Plans may be seen at the office of the Board and Engineer, and specifications, forms of proposals, etc., obtained from the Clerk of the Board of Sewer Commissioners.

DR. B. F. CHASE,
President.

MORRISON & FARRINGTON, INC.,
Engineers,
513-514 Dillaye Memorial Bldg.,
Syracuse, N. Y. 23-1t

CONSTRUCTING QUARTERMASTER'S OFFICE, Oswego, N. Y., June 3, 1905.—Sealed proposals, in triplicate, will be received at this office until 10.00 A. M., June 16, 1905, and then publicly opened for the construction, plumbing, heating and electric wiring of one brick Post Exchange and Gymnasium, and for the construction of one brick Quartermaster's Shop, at Fort Ontario, N. Y. Plans, specifications, general instructions to bidders, blank forms for a proposal, and all necessary information may be obtained at this office upon application. A guarantee in 10% of the amount of the bid must accompany same. Envelopes containing proposals should be marked "Proposals for Buildings," and addressed to CAPTAIN W. M. COULLING, Quartermaster, U. S. Army. 23-1t

DELAWARE CITY, DEL., May 26, 1905.—Sealed proposals, in triplicate, will be received here until 11 a. m., June 15, 1905, for distilling plant and reservoir at Fort Mott, N. J. Information furnished on application. U. S. reserves right to accept or reject any or all bids or any part thereof. Envelopes containing bids should be endorsed "Proposals for Distilling Plant and Reservoir," addressed CAPTAIN LOUIS F. GARRARD, JR., Q. M. 23-1t

HEATING, PLUMBING, WIRING, ETC.

Binghamton, N. Y.

Sealed proposals suitably endorsed on envelope for the Construction, Heating, Plumbing and Electric Light Wiring of an Acute Hospital and Chronic Ward Building (two separate buildings) at the Binghamton State Hospital, Binghamton, N. Y., may be sent by mail or delivered in person up to three o'clock p. m. on Wednesday the 28th day of June, 1905, at the office of the State Commission in Lunacy, Capitol, Albany, when the bids will be opened and read publicly.

Drawings and specifications may be consulted and blank forms of proposal obtained at the Binghamton State Hospital, Binghamton, N. Y., or by application to G. L. Heins, State Architect, in the Capitol at Albany, N. Y.

Contracts will be awarded to the lowest responsible and reliable bidders unless the bids exceed the amount of funds available therefor, in which case the right to reject all bids is reserved.

T. E. McGARR,
Secretary State Commission in Lunacy.

Albany, N. Y., May 31, 1905. 23-3t

NOTICE TO ROAD CONTRACTORS.

Middlesex County, N. J.

Sealed bids will be received by the Board of Chosen Freeholders of Middlesex on Wednesday, the 28th day of June, 1905, at the Court House, Freeholders' room, New Brunswick, New Jersey, at the hour of eleven o'clock in the forenoon, for the construction of three stone roads and one gravel road according to plans, cross-sections and specifications on file in the office of Robert J. Dougherty, County Engineer, Court House aforesaid, where bidders can see and examine said plans, cross-sections and specifications.

Road No. 1 (macadam) Landing Bridge-Stelton Road.

Beginning at the end of macadam on said road, extending to the intersection of said road with the New Market-Stelton macadam road, a distance of two and five one-hundredths miles, twelve feet wide, eight inches deep.

Road No. 2 (gravel) Applegarth-Prospect Plains Road.

Beginning at Applegarth and extending to Prospect Plains, a distance of two and ninety-three one-hundredths miles, twelve feet wide, six and ten inches deep.

Road No. 3 (macadam) Dayton-Monmouth Junction Road.

Beginning at the intersection of the New Brunswick-Cranbury macadam road with the Dayton-Monmouth Junction Road at Dayton, extending to a point in said Dayton-Monmouth Junction Road, at Dayton, a distance of one and forty-six one-hundredths miles, twelve feet wide, eight inches deep.

Road No. 4 (macadam) Cranbury Neck Road.

Beginning at the intersection of Cranbury-Hightstown Road with the Cranbury Neck Road, at Cranbury, extending to the cross road at Station 120 30, as shown on map filed, a distance of one and forty-six one-hundredths miles, fourteen feet wide, eight inches deep.

Each bid must state the price for which the materials will be furnished and the work done and entirely completed (no partial bids will be received), and each bidder must accompany his bid with a certified check for one thousand dollars, payable to the Director of the Board of Chosen Freeholders of Middlesex County, as a guarantee that if successful will enter into a contract to perform the work according to the plans, cross-sections and specifications, and give to the Board of Chosen Freeholders a bond with at least three approved sureties, freeholders of the County of Middlesex, in the amount of the estimated cost of said work.

The work must be completed on or before the first day of October, nineteen hundred and five.

Bidders must endorse on the outside of the sealed envelope containing the bid and check, the full name, residence, post office address and the full names of all parties interested (full names of partners) in making said bid. All bids must be made upon the blank proposals furnished by said County Engineer.

The right to reject any or all bids is expressly reserved by the Board of Chosen Freeholders, if in their opinion good cause exists therefor.

Dated May 31, 1905.

ASBURY FOUNTAIN,
Director of the Board of Chosen Freeholders of Middlesex County.

Attest:
D. W. CLAYTON,
Clerk of the Board. 23-3t

ENGINEER OFFICE, U. S. ARMY, Room 2, Custom-House, Norfolk, Va., June 1, 1905.—Sealed proposals for dredging and removing wreck in Norfolk Harbor, Va., will be received here until 12 M., July 3, 1905, and then publicly opened. Information furnished on application. E. EVELETH WINSLOW, Capt., Engrs. 23-2t

U. S. ENGINEER OFFICE, Montgomery, Ala., May 31, 1905.—Sealed proposals for dredging "Link Channel," Apalachicola Bay, Fla., and Carrabelle Bar, Fla., will be received here until noon, July 1, 1905, and then publicly opened. Information furnished on application. J. B. CAVANAUGH, Capt., Engrs. 23-4t

U. S. ENGINEER OFFICE, Baltimore, Md., June 3, 1905.—Sealed proposals for dredging rivers and harbors on east shore of Chesapeake Bay, Md., will be received here until noon, July 5, 1905, and then publicly opened. Information furnished on application. R. L. HOXIE, Lt.-Col., Engrs. 23-4t

SEWERS AND S[illegible]AGE DISPOSAL P[illegible]NT.

Greensburg[illegible] June 3, 1905.

Sealed bids will be r[illegible] by the City Clerk of Greensburg, [illegible] until 1.30 o'clock P. M., on June 2[illegible] for the construction of 18 miles of s[illegible] sewer (pipe) and sewerage disposal p[illegible] Also 3 miles of storm sewer (pipe). E[illegible] total cost $135,000.00 Plans and sp[illegible]ions may be seen at the Council Ch[illegible] Greensburg, Indiana, or at the office [illegible] B. Ewing, consulting engineer, 100[illegible] ber of Commerce, Chicago, Illinois. [illegible] bids must be made on blanks furnished [illegible] said City of Greensburg, Indiana.

BERT [illegible]AN,
23-2t [illegible]ity Clerk.

NEW ENGLAND [illegible]AST.

Beautiful Beyond [illegible]tion.

New England's seacoast [illegible]eal recreation ground during the sum[illegible] preparing to welcome her visitors. In [illegible] while the beautiful North Shore of M[illegible]usetts, including Manchester-by-the-[illegible] Marblehead, Clifton, Rockport, Devereux [illegible]ster, etc., will be festive resorts, a[illegible] together the foreign embassadors and [illegible]ington diplomats who especially fa[illegible] section. Hampton and Rye beaches [illegible] New Hampshire, delightful pleasure re[illegible] in a few weeks will harbor thousand[illegible] amusement seekers; York, Kittery and K[illegible]nebunk are ready for the cottagers. Old Orchard will appear more smiling than ever this year. Portland fronting on the handsome Casco Bay and the delightful islands have donned their summer apparel. North of Portland the shore resorts to Bar Harbor and beyond in New Brunswick are ready for the summer influx. You can scarcely appreciate the beauties of the sea coast without a visit; but there are two publications which will do much to enlighten you. A beautiful portfolio containing twenty-eight half-tone reproductions of seashore views will be mailed by the General Passenger Department, Boston & Maine Railroad, Boston, upon receipt of six cents, and a descriptive booklet entitled, "All Along Shore," will be mailed upon receipt of two cents in stamps. 23-1t

U. S. ENGINEER OFFICE, Wilmington, Del., June 6, 1905.—Sealed proposals for dredging Mispillion River, Del., will be received here until 11 a. m., July 6, 1905, and then opened. Specifications, blank forms, etc., furnished on application. C. A. F. FLAGLER, Capt., Engrs. 23-4t

DEPARTMENT OF THE INTERIOR, Office of Superintendent, U. S. Capitol Building and Grounds, Washington, D. C., May 31, 1905.—Proposals (in duplicate) for cut stone work for the exterior facades and the court walls of the Office Building, United States Senate, will be received and opened at the above office at 2 o'clock P. M. on Thursday, June 29, 1905, in the presence of persons desiring to attend. Plans and specifications are now ready for issue, and will be furnished upon receipt of a check for $50.00, payable to the Superintendent U. S. Capitol Building and Grounds, as a guarantee for their return. Checks will be returned upon the receipt of plans and specifications. A suitable surety bond, certified check, or cash will be required as a deposit with the bid, and a subsequent bond will be required for the faithful performance of the contract, all of which is explained in the specifications. The right is reserved to reject any and all bids and to waive any informality in any bid. ELLIOTT WOODS, Superintendent U. S. Capitol Building and Grounds. Approved: E. A. HITCHCOCK, Secretary. 23-4t

U. S. ENGINEER OFFICE, Mobile, Ala., June 3, 1905.—Sealed proposals for building Dam, Abutment and Guard Cribs at Lock No. 1, McGrews Shoals, Tombigbee River, Ala., will be received at this office until 11 a. m., Monday, July 3, 1905, and then publicly opened. Information furnished on application. W. E. CRAIGHILL, Major, Engrs. 23-4t

U. S. ENGINEER OFFICE, Jacksonville, Fla., June 1, 1905.—Sealed proposals for dredging and removal of rock in Hillsboro Bay, Florida, will be received here until 12 o'clock noon, July 1, 1905, and then publicly opened. Information furnished on application. FRANCIS R. SHUNK, Major, Engrs. 23-4t

SITUATIONS OPEN

WANTED.—At once, draftsman experienced on railroad work. Location, New York city. Apply to N. Y. C. & H. R. R. R. Co., 7th floor, Grand Central Palace, 43d St. and Lexington Ave., New York. 23-1t

WANTED.—Several good draftsmen and checkers for structural and bridge work; only men having had experience with bridge companies need apply. State age, experience, salary, and earliest date could report. Address "O. B. 23," care of Engineering News, New York. 23-2t

WANTED.—Checkers and detailers on structural steel work. Experienced men only will be considered. Address "P. B. 23," Engineering News, New York. 23-1t

WANTED

SUPERINTENDENT ON CONCRETE DAM AT ONCE

Must be first-class handling men, and general concrete work. Technical education not necessary. None but a hustling, resourceful man of experience need apply. Give references, experience and salary, quick.

THE FARAGHER ENGINEERING CO.
23-1t Rose Building, Cleveland, Ohio